

<p>After making changes to your BIOS configuration, you've selected the option to save the current values. Which of the following best describes where is this information saved?</p> <p>A) Boot sector of the first storage device</p> <p>B) Nonvolatile memory</p> <p>C) Boot loader</p> <p>D) CMOS battery</p> <p>E) System firmware</p> <p>F) I keep it all locked away in my head</p>	<p>B) Nonvolatile memory</p> <p>The BIOS configurations are commonly stored in nonvolatile memory located on the motherboard.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-what-i-had-for-lunch-today/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-what-i-had-for-lunch-today/</a></p>
<p>After working on your computer for about an hour, the system unexpectedly powers off without any message or warning. Which of these would be the most likely reason for this shutdown?</p> <p>A) The computer is overheating</p> <p>B) A storage drive is faulty</p> <p>C) A Windows update has been installed</p> <p>D) A network shutdown has been initiated</p> <p>E) An application fault has been recorded</p> <p>F) It was time for a break anyway</p>	<p>A) The computer is overheating</p> <p>If your computer components get too hot, the system will automatically shut down to protect the components from damage. There may be messages about the shutdown in a BIOS log or the Windows Event Viewer log.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-make-some-coffee/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-make-some-coffee/</a></p>
<p>A bad guy has obtained a list of your organizations usernames and hashed passwords. Which of the following security threats would most commonly be used with this information?</p> <p>A) Man-in-the-middle attack</p> <p>B) Distributed denial of service</p> <p>C) Ransomware</p> <p>D) Dictionary attack</p> <p>E) Tailgating</p> <p>F) If you want access to my music library, just ask</p>	<p>D) Dictionary attack</p> <p>The only way to obtain the original text from a hash is to try every possible combination until you find a matching hash. For password hashes, it's common to use words from a dictionary as a way to minimize the number of potential options.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-seems-like-the-wrong-way-to-go-about-getting-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-seems-like-the-wrong-way-to-go-about-getting-it/</a></p>
<p>The colors on your inkjet printer do not appear to be overlapping properly, with some of the colors visibly misaligned. Which of the following would be the best way to resolve this issue?</p> <p>A) Replace the print head</p> <p>B) Replace the problematic ink cartridge</p> <p>C) Perform a printer calibration</p> <p>D) Use a higher weight paper</p> <p>E) Adjust the printer carriage</p> <p>F) Consider using watercolors</p>	<p>C) Perform a printer calibration</p> <p>The inkjet printer calibration process ensures that the separate print heads create crisp separations and properly align the colors.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-these-revenue-charts-are-beautiful/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-these-revenue-charts-are-beautiful/</a></p>
<p>How much free storage space is required to install Windows 7 Professional x64?</p> <p>A) 500 MB</p> <p>B) 1 GB</p> <p>C) 5 GB</p> <p>D) 10 GB</p> <p>E) 20 GB</p> <p>F) Time to delete some of those old games</p>	<p>E) 20 GB</p> <p>The 32-bit version of Windows 7 requires 16 GB of free space, and the 64-bit version requires 20 GB of free space.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-important-productivity-applications/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-important-productivity-applications/</a></p>

<p>If a laptop inverter is faulty, what part of the system is usually having problems?</p> <p>A) Main power input</p> <p>B) LCD display</p> <p>C) Wireless networking</p> <p>D) Printer interface</p> <p>E) Storage device</p> <p>F) The problem is usually in my brain somewhere</p>	<p>B) LCD display</p> <p>The LCD inverter is used to convert the DC in a laptop to AC power that can be used by a fluorescent LCD backlight.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-a-common-issue/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-a-common-issue/</a></p>
<p>If there's a power spike to your computer's surge suppressor, what happens to the excess power?</p> <p>A) The power is evened out and distributed over a longer timeframe</p> <p>B) The surge is sent directly to the capacitors of the computer's power supply</p> <p>C) The surge is distributed evenly across all devices connected to the surge suppressor</p> <p>D) The surge is redirected back to the source of the spike</p> <p>E) The excess power is diverted to the electrical ground</p> <p>F) You get a nice light show</p>	<p>E) The excess power is diverted to the electrical ground</p> <p>If a power surge occurs, the surge suppressor will send any excess power to the electrical ground.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-look-fireworks/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-look-fireworks/</a></p>
<p>In which of the following would you find the Windows 7 Tools tab for access to error checking, defragmentation, and backup utilities?</p> <p>A) Drive properties</p> <p>B) Control Panel</p> <p>C) System Information</p> <p>D) Device Manager</p> <p>E) System Configuration</p> <p>F) These are never in my toolbox when I need them</p>	<p>A) Drive properties</p> <p>Every drive properties dialog in Windows provides a Tools tab that displays utilities specific to the drive media and version of Windows.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-why-is-my-wrench-in-the-refrigerator/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-why-is-my-wrench-in-the-refrigerator/</a></p>
<p>In which of these cases would you be most likely to use the Linux chown command?</p> <p>A) Reboot the system in 10 minutes</p> <p>B) Search through a file for a specific text string</p> <p>C) Set a file to read-only for all users</p> <p>D) Update operating system files</p> <p>E) Assign the ownership of a file to a group of users</p> <p>F) It's easier if I could just use the mouse and click things</p>	<p>E) Assign the ownership of a file to a group of users</p> <p>The Linux chown command changes the ownership of a file to a specific user or group.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-screen-is-black-and-has-letters-on-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-screen-is-black-and-has-letters-on-it/</a></p>
<p>In which of these cases would you be most likely to use WoL?</p> <p>A) Set the priority of one application over another</p> <p>B) Install operating system updates at three in the morning</p> <p>C) Modify the link speed and duplex of a network adapter</p> <p>D) Collect long-term performance statistics</p> <p>E) Increase the overall bandwidth of the network</p> <p>F) You're planning a visit to Utgarde Keep</p>	<p>B) Install operating system updates at three in the morning</p> <p>WoL (Wake-on-LAN) is a technology that can "wake up" a suspended computer, usually to perform administrative tasks.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youre-missing-a-k/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youre-missing-a-k/</a></p>

<p>In which of these devices would you most expect to find passive cooling?</p> <ul style="list-style-type: none"><li>A) Gaming computer</li><li>B) Database server</li><li>C) Web-browsing kiosk</li><li>D) Satellite receiver</li><li>E) Rack-mounted computer</li><li>F) On the ski slope</li></ul>	<p>D) Satellite receiver</p> <p>Passive cooling doesn't use any fans or moving parts, so it's well suited for devices where noise is an issue. Many media devices use passive cooling to prevent the sounds of cooling fans when you're trying to enjoy your television watching.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-some-active-hot-chocolate/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-some-active-hot-chocolate/</a></p>
<p>In which of these situations would you be most likely to use VSS?</p> <ul style="list-style-type: none"><li>A) Backup the operating system while Windows is running</li><li>B) Limit the access that software has to your computer</li><li>C) Encrypt an entire Windows volume</li><li>D) Cache to RAM instead of disk</li><li>E) Recover your operating system from a restore point</li><li>F) You need yet-another abbreviation to memorize</li></ul>	<p>A) Backup the operating system while Windows is running</p> <p>Volume Shadow Service (VSS) allows you to backup open files, even when the operating system is running.</p> <p><a href="https://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youre-in-luck/">https://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youre-in-luck/</a></p>
<p>In which of these would you be most likely to use 802.11 in ad hoc mode?</p> <ul style="list-style-type: none"><li>A) Extend the receiving distance between wireless devices</li><li>B) Convert between a wired and a wireless network</li><li>C) Connect wireless devices without an access point</li><li>D) Prevent unauthorized access to the wireless network</li><li>E) Hide the wireless network name from client devices</li><li>F) I didn't do very well in Latin</li></ul>	<p>C) Connect wireless devices without an access point</p> <p>The ad hoc mode of 802.11 allows two wireless devices to communicate directly with each other without the use of an access point.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-going-to-need-a-translator/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-going-to-need-a-translator/</a></p>
<p>In which of these would you be most likely to use the NET USE command?</p> <ul style="list-style-type: none"><li>A) Initialize a network interface</li><li>B) Start a service</li><li>C) Access a shared folder</li><li>D) View network resources</li><li>E) List local device names</li><li>F) I need to use as much network as I can</li></ul>	<p>C) Access a shared folder</p> <p>The NET USE command is used to map a network share to a local drive letter. Once the share is mapped, you can then access the files on that share by referencing the local drive letter.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-id-like-another-order-of-network-please/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-id-like-another-order-of-network-please/</a></p>
<p>In Windows 7, which of the following would be the best way to create a recovery image?</p> <ul style="list-style-type: none"><li>A) Create an image from System Restore</li><li>B) Launch the Windows Backup and Restore Center</li><li>C) Run "Recovery Image" from the local drive properties</li><li>D) Boot from the Windows setup media</li><li>E) Launch "Image Tool" from the Event Viewer</li><li>F) Use watercolors and a nice canvas</li></ul>	<p>B) Launch the Windows Backup and Restore Center</p> <p>A recovery image contains a copy of everything on your computer. If your storage drive or system fails, you can restore your entire operating system and files from this image. In Windows 7, you can create a system image from the Backup and Restore Center.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-looks-like-fruit/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-looks-like-fruit/</a></p>

<p>In Windows 8.1, which of these would be the best way to view real-time Bluetooth network bandwidth usage?</p> <p>A) Task Manager</p> <p>B) Network Monitor</p> <p>C) Adapter properties</p> <p>D) Windows Firewall</p> <p>E) Component Services</p> <p>F) This would be great if I could remember to recharge my headset</p>	<p>A) Task Manager</p> <p>The Performance tab of the Windows Task Manager can provide a summary of CPU utilization, memory usage, Bluetooth bandwidth usage, and more.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-bandwidth-usage-is-inadvertently-zero/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-bandwidth-usage-is-inadvertently-zero/</a></p>
<p>On a Windows 8.1 device, where would you expect to find most of the operating system files?</p> <p>A) /Windows8</p> <p>B) /System</p> <p>C) /Users</p> <p>D) /Windows</p> <p>E) /Program Files</p> <p>F) I left them in my other suit</p>	<p>D) /Windows</p> <p>The operating system files for Windows are commonly located in the \Windows folder.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-get-it-next-time/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-get-it-next-time/</a></p>
<p>One of the initial steps in removing malware is to disable System Restore. Which of these best describes the reason for disabling this feature?</p> <p>A) System Restore prevents changes to the boot sectors</p> <p>B) System Restore blocks the malware removal software</p> <p>C) The system runs significantly faster without System Restore</p> <p>D) Malware may have infected your restore points</p> <p>E) System Restore can appear as malware to anti-virus software</p> <p>F) We needed an extra step to make us look busy</p>	<p>D) Malware may have infected your restore points</p> <p>Malware is good at infecting both your primary operating system and any restore points that may have been created with System Restore. One of the first steps when removing malware is to turn off System Restore, which effectively deletes any saved restore points.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-as-if-i-wasnt-busy-enough/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-as-if-i-wasnt-busy-enough/</a></p>
<p>One of the rules in your firewall is allowing tcp/427. Which of the following would be most associated with this rule?</p> <p>A) Apple laptops</p> <p>B) Outgoing email transfers</p> <p>C) FQDN resolution</p> <p>D) Remote control of desktops</p> <p>E) Corporate telephone system</p> <p>F) The firewall seems to have gone out</p>	<p>A) Apple laptops</p> <p>TCP port 427 is commonly associated with the Service Location Protocol used by Mac OS.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-a-real-fire/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-a-real-fire/</a></p>
<p>What cloud-based service provides you with hardware, but still requires you to setup, configure, and manage the software?</p> <p>A) Hybrid Cloud</p> <p>B) SaaS</p> <p>C) IaaS</p> <p>D) Private Cloud</p> <p>E) PaaS</p> <p>F) I'm going to need a pilot's license when all of this is done</p>	<p>C) IaaS</p> <p>IaaS (Infrastructure as a Service) is a cloud-based architecture that provides hardware, but not much else. You would still be responsible for installing operating systems and applications, and you're still responsible for the ongoing management of the applications.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-please-place-applications-in-their-full-upright-position/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-please-place-applications-in-their-full-upright-position/</a></p>

<p>What is the compressed IPv6 address for fe80:0000:0000:0000:0076:4000:f050:27c6?</p> <p>A) fe80::76:4:f5:27c6</p> <p>B) fe80::76:4000:f050:27c6</p> <p>C) fe80::76:4::f05:27c6</p> <p>D) fe80::0076:4000:f050:27c6</p> <p>E) fe80:76:4000:f050:27c6</p> <p>F) Now your IPv6 can fit in your suitcase</p>	<p>B) fe80::76:4000:f050:27c6</p> <p>The two big rules when compressing IPv6 addresses is to remove all leading zeros and abbreviate two or more groups of zeros with a double colon. Non-leading zeros will remain in the address, and only one set of double colons can be in a single address.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-just-add-water/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-just-add-water/</a></p>
<p>What is the maximum storage space available on a single-layer DVD-ROM?</p> <p>A) 8.5 GB</p> <p>B) 700 MB</p> <p>C) 25 GB</p> <p>D) 4.7 GB</p> <p>E) 50 GB</p> <p>F) And it's never enough room</p>	<p>D) 4.7 GB</p> <p>A single-layer DVD-ROM can store a maximum of 4.7 GB, and a dual-layer DVD-ROM can store 8.5 GB.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-time-to-delete-all-the-pictures-of-my-paper-clip-collection/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-time-to-delete-all-the-pictures-of-my-paper-clip-collection/</a></p>
<p>What is the minimum amount of RAM required for the 64-bit version of Windows 7?</p> <p>A) 1 GB</p> <p>B) 2 GB</p> <p>C) 4 GB</p> <p>D) 8 GB</p> <p>E) 20 GB</p> <p>F) That's too many bits</p>	<p>B) 2 GB</p> <p>The minimum RAM required for the 32-bit version of Windows 7 is 1 GB, and the 64-bit version of Windows 7 requires a minimum of 2 GB.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-a-place-to-store-all-of-these/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-a-place-to-store-all-of-these/</a></p>
<p>What is the minimum category of cable required for 10BASE-T networks?</p> <p>A) Category 3</p> <p>B) Category 5</p> <p>C) Category 5e</p> <p>D) Category 6</p> <p>E) Category 6A</p> <p>F) Category 7</p> <p>G) I always use the one that isn't all tangled</p>	<p>A) Category 3</p> <p>10BASE-T networks are Ethernet networks using twisted pair and run at 10 megabits per second. The minimum category of cable required for these networks is Category 3, although today it would be difficult to find any twisted pair cable manufactured to those older specifications.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-nothing-a-few-wire-snips-wont-fix/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-nothing-a-few-wire-snips-wont-fix/</a></p>
<p>What is the most common connector used for component video?</p> <p>A) mini-DIN</p> <p>B) TRRS</p> <p>C) RCA</p> <p>D) DB-15</p> <p>E) USB</p> <p>F) I'm not sure where all this dust came from</p>	<p>C) RCA</p> <p>It's very common to use colored RCA cables to connect component video devices.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-havent-been-back-here-in-a-while/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-havent-been-back-here-in-a-while/</a></p>

<p>What kind of connector would you commonly use with S-Video?</p> <p>A) BNC</p> <p>B) VGA</p> <p>C) Mini-DIN-4</p> <p>D) RCA</p> <p>E) DVI</p> <p>F) The one on the cable that I can never find</p>	<p>C) Mini-DIN-4</p> <p>A mini-DIN-4 connector is commonly used with S-Video to provide two-channel analog video signal.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-right-where-i-left-it-when-i-was-sleepwalking/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-right-where-i-left-it-when-i-was-sleepwalking/</a></p>
<p>What kind of CPU socket would you expect to find on an AMD FM2+ motherboard?</p> <p>A) ZIF</p> <p>B) DIMM</p> <p>C) PGA</p> <p>D) LGA</p> <p>E) Squiggly</p>	<p>A) ZIF</p> <p>The AMD FM1, FM2, and FM2+ processors use a PGA (pin grid array) package with a ZIF (zero insertion force) socket on the motherboard.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-you-might-need-to-clean-your-glasses/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-you-might-need-to-clean-your-glasses/</a></p>
<p>What kind of device is used to convert between analog and digital signals?</p> <p>A) Switch</p> <p>B) Line driver</p> <p>C) WAP</p> <p>D) Modem</p> <p>E) PoE</p> <p>F) A converterator</p>	<p>D) Modem</p> <p>A modem (modulator/demodulator) is used to convert between analog and digital signals. It's common to have modems on each side of a connection to provide the transfer of digital information.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-an-upgrade-from-the-switcheroo/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-an-upgrade-from-the-switcheroo/</a></p>
<p>What kind of hard drive drive formatting clears the file table, but does not physically erase any of the data?</p> <p>A) Table format</p> <p>B) Quick format</p> <p>C) Regular format</p> <p>D) File format</p> <p>E) Low-level format</p> <p>F) I can now recover all of that data that I didn't want to begin with</p>	<p>B) Quick format</p> <p>As the name implies, a quick format occurs very quickly, and a large hard drive can be formatted in just a few seconds. Since all of the data is left in place, a third-party unerase utility can usually recover the data. If you want to be sure the data is gone forever, you'll want to use a regular format or a third-party secure erase utility.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-so-much-for-that-comprehensive-80s-music-collection/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-so-much-for-that-comprehensive-80s-music-collection/</a></p>
<p>What kind of network would you commonly use to connect two corporate offices in different cities?</p> <p>A) MAN</p> <p>B) WAN</p> <p>C) PAN</p> <p>D) LAN</p> <p>E) Let's just get a really long cable</p>	<p>B) WAN</p> <p>A WAN (Wide Area Network) is used to connect sites that are located across large geographical distances.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youll-get-a-bonus-for-those-cost-savings/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youll-get-a-bonus-for-those-cost-savings/</a></p>

<p>What maximum transmission speed would be most associated with USB 2.0?</p> <p>A) 1.5 megabits per second</p> <p>B) 12 megabits per second</p> <p>C) 480 megabits per second</p> <p>D) 5 gigabits per second</p> <p>E) 10 gigabits per second</p> <p>F) This flash drive is never large enough</p>	<p>C) 480 megabits per second</p> <p>USB 1.1 transmits at 1.5 megabits per second and 12 megabits per second, USB 2.0 transmits at 480 megabits per second, and USB 3.0 can transmit at a maximum of 5 gigabits per second.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-a-backup-for-my-backup/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-a-backup-for-my-backup/</a></p>
<p>What method is used to separate different profiles in Windows Firewall?</p> <p>A) Registry Editor</p> <p>B) Component Services</p> <p>C) Local Security Policy</p> <p>D) System Configuration</p> <p>E) Network locations</p> <p>F) Mom usually keeps everyone on their best behavior</p>	<p>E) Network locations</p> <p>You can build different Windows Firewall profiles that will act differently depending on the kind of network you connect. You can create a very conservative firewall posture on public networks, but create a more relaxed set of rules for use in your home office.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-dont-make-her-get-the-wooden-spoon/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-dont-make-her-get-the-wooden-spoon/</a></p>
<p>What motherboard component would most likely be powered with a 6-pin or an 8-pin connector?</p> <p>A) CPU</p> <p>B) SATA drive</p> <p>C) Case fan</p> <p>D) PCI Express adapter</p> <p>E) USB interface</p> <p>F) My coffee warmer</p>	<p>D) PCI Express adapter</p> <p>A PCI Express adapter can use additional power from the computer power supply with a 6-pin (75 watt) or 8-pin (150 watt) connector. These are commonly used for high-end graphics cards that require more power than what is normally available through the motherboard's PCI Express adapter slot.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-good-cup-of-joe/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-good-cup-of-joe/</a></p>
<p>What motherboard type would provide the most number of options for memory, storage devices, and future expansion?</p> <p>A) Mini-ITX</p> <p>B) microATX</p> <p>C) Virtual-ATX</p> <p>D) Standard-ATX</p> <p>E) Nano-ITX</p> <p>F) My future expansion might require some larger pants</p>	<p>D) Standard-ATX</p> <p>A standard ATX motherboard is the largest form factor, and it accordingly provides the most number of options for memory slots, storage interfaces, and expansion slots.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-should-really-cut-down-on-the-sweets/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-should-really-cut-down-on-the-sweets/</a></p>
<p>What part of a traditional motherboard chipset has now been integrated into the CPU package as a memory controller?</p> <p>A) Southbridge</p> <p>B) Northbridge</p> <p>C) BIOS ROM</p> <p>D) Super I/O</p> <p>E) Expansion Bus</p> <p>F) Now there's one less thing to break</p>	<p>B) Northbridge</p> <p>The Northbridge has traditionally been the physical controller chip between RAM and CPU, and all of those memory controller features have now been integrated into the system CPU.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-still-find-a-way/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-still-find-a-way/</a></p>

<p>What part of the connector protects the tip of the fiber optic from being damaged?</p> <p>A) Metal shielding</p> <p>B) Bayonet connector</p> <p>C) Cladding</p> <p>D) Cable twists</p> <p>E) Ferrule</p> <p>F) A pillow</p>	<p>E) Ferrule</p> <p>The ferrule wraps around the tip of a fiber connector to protect it from damage. The ferrule is often made of ceramic and can protect the delicate fiber from any damage during installation.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-you-can-take-a-nap-when-youre-done-3/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-you-can-take-a-nap-when-youre-done-3/</a></p>
<p>What's the best way to use a document that's "printed" to a printer driver file?</p> <p>A) Open and use in any PDF reader</p> <p>B) Use the XML Paper Specification to view the output</p> <p>C) Use the copy command to send the file to a printer</p> <p>D) View the file in a graphics editor</p> <p>E) Load the file into the application that originally created it</p> <p>F) Send the file to everyone on the internal mailing list and hope for the best</p>	<p>C) Use the copy command to send the file to a printer</p> <p>If you're printing to a print driver file, the resulting file will be saved in a language that only the printer can understand. You might use this feature if you were in a place without a printer and you wanted to print later, or you wanted to send the file to someone else for printing.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-reply-to-all/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-reply-to-all/</a></p>
<p>What Windows 8.1 feature is enabled by using the Windows + Left Arrow or Windows + Right Arrow keys?</p> <p>A) Pinning</p> <p>B) OneDrive access</p> <p>C) Multi-monitor taskbars</p> <p>D) Side by side apps</p> <p>E) Charms</p> <p>F) The computer performs a virtual shaking motion to seem as if it's moving faster</p>	<p>D) Side by side apps</p> <p>The Windows side-by-side app feature will split the screen and uniformly place two applications next to each other.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-an-earthquake-its-faster-response-times/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-an-earthquake-its-faster-response-times/</a></p>
<p>What wireless authentication is commonly seen in an enterprise environment?</p> <p>A) WPA2</p> <p>B) 802.11n</p> <p>C) TLS</p> <p>D) 802.1X</p> <p>E) MAC</p> <p>F) I remember you from yesterday</p>	<p>D) 802.1X</p> <p>802.1X integration provides a way to authenticate users with a centralized database. When using 802.1X on a wireless network, there's no need to use shared passphrases for everyone.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-computer-knows-me-so-well/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-computer-knows-me-so-well/</a></p>
<p>What would be the most likely reason to run the apt-get command?</p> <p>A) Backup operating system and user files</p> <p>B) Perform a scheduled disk maintenance</p> <p>C) Patch operating system files</p> <p>D) Run an anti-virus scan</p> <p>E) Restart the system</p> <p>F) You need to get a box of apt</p>	<p>C) Patch operating system files</p> <p>The Advanced Packaging Tool get utility (apt-get) is commonly used to install or update operating system and application files.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-delicious-with-syrup/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-delicious-with-syrup/</a></p>



<p>What would you expect to occur if you change your LCD display to a resolution that's different than the native resolution?</p> <p>A) The screen will show a black screen</p> <p>B) The text and graphics on the screen will be slightly distorted</p> <p>C) The display will power down</p> <p>D) Windows will only operate in VGA mode</p> <p>E) The input method will need to be changed from the default</p> <p>F) Your content creation will appear much more intelligent and humorous</p>	<p>B) The text and graphics on the screen will be slightly distorted</p> <p>The native resolution will ensure that the information on the screen is crisp and clear. If the resolution is changed from the native resolution, the resulting display will appear fuzzy and slightly distorted.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-if-only-it-was-that-easy/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-if-only-it-was-that-easy/</a></p>
<p>When troubleshooting a problem, you've tested a theory and found that your tests appear to resolve the issue. Which of these would be your best next step?</p> <p>A) Build a plan of action to correct the issue</p> <p>B) Document your findings</p> <p>C) Gather symptoms that best describe the problem</p> <p>D) Perform additional tests</p> <p>E) Contact the manufacturer's technical support line</p> <p>F) Make the intern do it</p>	<p>A) Build a plan of action to correct the issue</p> <p>Once you've tested and verified how the issue could be resolved, it's time to put your tests into production. The implementation may be simple or complex, so it's useful to build a plan for the implementation of the solution. In a production environment, this plan includes both the implementation of the fix as well as a plan to revert back if the fix doesn't actually work.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-it-gets-fixed-twice-as-fast/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-it-gets-fixed-twice-as-fast/</a></p>
<p>When would you be most likely to use NetBoot?</p> <p>A) You need to install Windows from a USB drive</p> <p>B) Windows 8.1 is not booting from the primary storage device</p> <p>C) You need to upgrade the operating system in your network switches</p> <p>D) Your operating system needs to perform a security update across the network</p> <p>E) You need to start a Mac OS computer from a network drive</p> <p>F) You need to take your network out into the cold</p>	<p>E) You need to start a Mac OS computer from a network drive</p> <p>NetBoot is the Apple technology used to boot a Mac OS computer from a centralized network image.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-maybe-some-thermal-socks/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-maybe-some-thermal-socks/</a></p>
<p>When you power up your computer, the screen remains blank and you hear a series of beeps. Which of these should be your first troubleshooting step?</p> <p>A) Replace the RAM</p> <p>B) Upgrade the BIOS</p> <p>C) Check the video connection</p> <p>D) Check the documentation for beep codes</p> <p>E) Open the case and check for loose connections</p> <p>F) Check to see if it's quitting time</p>	<p>D) Check the documentation for beep codes</p> <p>If there's a problem with the POST (power on self-test) process, your computer may provide diagnostic information through the use of beep codes. Each BIOS uses a different set of codes, so it's important to refer to your computer's documentation to know exactly what the beeps are referencing on your device.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-itll-still-be-here-when-you-get-back/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-itll-still-be-here-when-you-get-back/</a></p>
<p>When you print anything from your computer, the page is filled with garbled characters instead of your expected output. Which of these would be the most likely cause of this issue?</p> <p>A) The separation pad is faulty</p> <p>B) You do not have permissions to print to this device</p> <p>C) The printer driver is invalid</p> <p>D) The printer memory is low</p> <p>E) The network connection is intermittent</p> <p>F) Maybe that's how your output really looks</p>	<p>C) The printer driver is invalid</p> <p>An incorrect printer driver may send information that is not properly interpreted by the printer. This will cause the output to show invalid or garbled characters on the page.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-seems-much-nicer-on-the-screen/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-seems-much-nicer-on-the-screen/</a></p>

<p>When you print, the laser printer output is all garbled characters with no recognizable information. Which of these would be the most likely reason for this printing issue?</p> <p>A) The photosensitive drum is scratched</p> <p>B) The pickup rollers are faulty</p> <p>C) The printer permissions are not properly configured</p> <p>D) The computer is using the incorrect page description language</p> <p>E) The print queue has been administratively disabled</p> <p>F) It's time for new glasses</p>	<p>D) The computer is using the incorrect page description language</p> <p>A page description language (PDL) is a computer language that describes the appearance of a printed page in a higher level than an actual output bitmap. Page description languages are text (human-readable) or binary data streams, usually intermixed with text or graphics to be printed.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-light-is-bad-in-here/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-light-is-bad-in-here/</a></p>
<p>When you start Windows, you receive the message "Device not starting." Which of these would be the best next troubleshooting step?</p> <p>A) Check Device Manager and Event Viewer</p> <p>B) Install all pending Windows updates</p> <p>C) Reseat all adapter cards</p> <p>D) Update the BIOS to the latest version</p> <p>E) Power down the computer and restart</p> <p>F) Get some coffee and pretend the problem isn't happening</p>	<p>A) Check Device Manager and Event Viewer</p> <p>The generic message of "Device not starting" doesn't give you much information to start troubleshooting, so you need to check the Event Viewer for detailed information and check your Device Manager to see what devices are not operating properly.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-close-your-eyes-tight/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-close-your-eyes-tight/</a></p>
<p>When you start your computer, the fans spin and the system beeps, but no messages appear on the screen. Which of these would be the best way to determine where the boot process is failing?</p> <p>A) Check the power supply input with a multimeter</p> <p>B) Use a loopback plug on any external interfaces</p> <p>C) Use a protocol analyzer to watch network activity when booting</p> <p>D) Install a POST card</p> <p>E) Disconnect all storage devices and boot again</p> <p>F) Time to drill!</p>	<p>D) Install a POST card</p> <p>A POST (Power On Self Test) card can provide detailed diagnostic information during the POST process.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-start-with-a-large-bit/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-start-with-a-large-bit/</a></p>
<p>When you view your drive status in Disk Management, the drive is marked as "Regenerating." Which of these would best describe this drive status?</p> <p>A) Data on the drive is moving to align with the beginning of a cluster</p> <p>B) A RAID 5 volume is recreating data based on the parity information</p> <p>C) Data blocks are being moved to create contiguous file sectors</p> <p>D) Data is being restored from a backup tape</p> <p>E) Data is read and re-written to each sector to refresh the magnetic polarities</p> <p>F) I'm growing a new tail</p>	<p>B) A RAID 5 volume is recreating data based on the parity information</p> <p>If a drive in a RAID 5 array fails, the replacement will need to regenerate data to rebuild the array. Once the regeneration process is complete, the drive will return to the "Healthy" status.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-was-a-close-call/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-was-a-close-call/</a></p>
<p>Where would you most commonly connect a POST card?</p> <p>A) Serial port</p> <p>B) PCI Express slot</p> <p>C) One side of a loopback plug</p> <p>D) Ethernet adapter</p> <p>E) Any available video output</p> <p>F) The mailbox</p>	<p>B) PCI Express slot</p> <p>A POST (power on self-test) card is used to help troubleshooting hardware problems, and it's commonly connected to a motherboard expansion slot interface.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-wish-you-were-here/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-wish-you-were-here/</a></p>

<p>Which BOOTREC flag creates a new Boot Configuration Data store?</p> <p>A) /FixBoot</p> <p>B) /RebuildBcd</p> <p>C) /ScanOS</p> <p>D) /FixBcd</p> <p>E) /BCD</p> <p>F) I don't wear boots</p>	<p>B) /RebuildBcd</p> <p>The Windows "recovery console" command prompt provides a way to troubleshoot and modify a Windows configuration before the operating system has started. The BOOTREC /RebuildBcd command will scan the disks for Windows installations and create a new BCD store based on what it finds.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-some-new-socks/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-some-new-socks/</a></p>
<p>Which edition of Windows 7 would be the best choice for a home user who wanted to use 32 GB of RAM and run BitLocker?</p> <p>A) Windows 7 Home Premium</p> <p>B) Windows 7 Enterprise</p> <p>C) Windows 7 Ultimate</p> <p>D) Windows 7 Starter</p> <p>E) Windows 7 Professional</p> <p>F) The one with the Microsoft logo on the front</p>	<p>C) Windows 7 Ultimate</p> <p>The only Windows 7 editions that support BitLocker are Windows 7 Ultimate and Enterprise, and Ultimate is the only version available to the home user.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-has-a-picture-of-a-window/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-has-a-picture-of-a-window/</a></p>
<p>Which Linux tool would be the best choice to administratively halt an application?</p> <p>A) dd</p> <p>B) rd</p> <p>C) stop</p> <p>D) kill</p> <p>E) halt</p> <p>F) Ask nicely</p>	<p>D) kill</p> <p>The Linux kill command is commonly used to administratively close an application from the command line.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-hello-computer/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-hello-computer/</a></p>
<p>Which Mac OS feature displays all running applications into a single zoomed-out view on the desktop?</p> <p>A) Mission Control</p> <p>B) Spaces</p> <p>C) Spotlight</p> <p>D) Iconify</p> <p>E) Finder</p> <p>F) I can't do the arm thing</p>	<p>A) Mission Control</p> <p>The Mission Control feature in Mac OS can be activated with the Mission Control hotkey or by pressing the Mission Control icon in the Apple Dock. The Spaces feature is used to create multiple independent desktop views.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-come-on-and-zoom/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-come-on-and-zoom/</a></p>
<p>Which Mac OS feature is most similar to the Windows Explorer?</p> <p>A) Filer</p> <p>B) File Manager</p> <p>C) Finder</p> <p>D) Spotlight</p> <p>E) Mission Control</p> <p>F) The one with the pretty icons</p>	<p>C) Finder</p> <p>Finder is the Mac OS equivalent to the Windows Explorer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-they-all-have-pretty-icons/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-they-all-have-pretty-icons/</a></p>

<p>Which of the following are not a requirement when synchronizing a mobile device to the desktop?</p> <p>A) Enough RAM to support the mobile device desktop application</p> <p>B) An operating system that can run the mobile device desktop application</p> <p>C) High-speed Internet access</p> <p>D) Free storage space on your computer</p> <p>E) A synchronization cable that's three inches longer than the one I'm currently using</p>	<p>C) High-speed Internet access</p> <p>When you're synchronizing and backing up your mobile device to your local computer, you won't need the high-speed Internet access that's required for cloud-based backups.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-just-a-bit-more/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-just-a-bit-more/</a></p>
<p>Which of the following are only supported in the Enterprise edition of Windows 8.1?</p> <p>A) BranchCache</p> <p>B) BitLocker</p> <p>C) EFS</p> <p>D) Windows Domain membership</p> <p>E) Windows Media Player</p> <p>F) Navigational deflector</p>	<p>A) BranchCache</p> <p>The BranchCache feature of Windows 8.1 is only supported in the Enterprise edition of the operating system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-different-enterprise/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-different-enterprise/</a></p>
<p>Which of the following best describe registered memory?</p> <p>A) Adds a buffer between the RAM module and the memory controller</p> <p>B) Can detect but not correct memory errors</p> <p>C) Must be installed in pairs for maximum throughput</p> <p>D) Can detect and correct any memory errors</p> <p>E) Includes two groups of memory on a module that can be independently accessed</p> <p>F) Requires a new sticker every year</p>	<p>A) Adds a buffer between the RAM module and the memory controller</p> <p>Registered memory is also called buffered memory because of the additional memory register between the memory module and the memory controller.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-can-never-find-the-paperwork-when-i-need-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-can-never-find-the-paperwork-when-i-need-it/</a></p>
<p>Which of the following best describes a hybrid drive?</p> <p>A) Can be used in Windows, Mac OS, and Linux</p> <p>B) Includes the option to use USB or eSATA connections</p> <p>C) Can be hot-swapped with another hybrid drive</p> <p>D) Includes both a spinning drive and SSD in a single device</p> <p>E) Operates at different RPMs depending on the usage</p> <p>F) Gets great mileage in city driving</p>	<p>D) Includes both a spinning drive and SSD in a single device</p> <p>A hybrid drive combines the large storage space of a spinning hard drive with the speed of SSD storage.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-brakes-maintain-a-high-frame-rate/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-brakes-maintain-a-high-frame-rate/</a></p>
<p>Which of the following best describes an LGA socket?</p> <p>A) The pins are on the CPU package</p> <p>B) Once installed, a CPU in an LGA socket cannot be removed</p> <p>C) The CPU fits into a multi-lane slot</p> <p>D) The pins are on the motherboard</p> <p>E) The CPU package must be gently pushed into the socket during installation</p> <p>F) It's bigger than I thought it was going to be</p>	<p>D) The pins are on the motherboard</p> <p>An LGA socket has pins on the motherboard and smooth contacts on the CPU package.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youll-need-to-take-the-shuttle-between-terminals/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-youll-need-to-take-the-shuttle-between-terminals/</a></p>

<p>Which of the following best describes a Windows HomeGroup network?</p> <p>A) Each user connects to the network with a unique username and password</p> <p>B) A single operating system installation is shared across all devices</p> <p>C) Copyrighted materials cannot be shared over a HomeGroup network</p> <p>D) HomeGroup networks operate over wireless networks exclusively</p> <p>E) A device connects to a HomeGroup network with a shared password</p> <p>F) You need to own a group of homes to make it work</p>	<p>E) A device connects to a HomeGroup network with a shared password</p> <p>A HomeGroup network uses a single shared password to connect all of the devices in your home. There no additional usernames or passwords required to setup a HomeGroup network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-going-to-need-more-garden-hoses/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-going-to-need-more-garden-hoses/</a></p>
<p>Which of the following best describes FOSS?</p> <p>A) The end user receives a compiled executable</p> <p>B) Determines how software can be legally used</p> <p>C) Manages the use of software</p> <p>D) The source code is freely available</p> <p>E) Designed for the home user</p> <p>F) I never read the fine print</p>	<p>D) The source code is freely available</p> <p>FOSS (Free and Open Source Software (FOSS) refers to software that makes the source code available, allowing the user to compile their own executables.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-because-i-cant-see-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-because-i-cant-see-it/</a></p>
<p>Which of the following best describes parity memory?</p> <p>A) Identifies and corrects memory errors on the fly</p> <p>B) Includes an additional register between the RAM module and the memory controller</p> <p>C) Installed in pairs or trios for maximum throughput</p> <p>D) Groups of memory on a module that can be independently accessed</p> <p>E) Uses an additional bit to help identify errors</p> <p>F) I'm not sure if I should be even or odd</p>	<p>E) Uses an additional bit to help identify errors</p> <p>Parity memory includes an extra bit on the memory module that helps identify when an error occurs. Parity memory is very good at identifying error, but it does not have any mechanisms to correct an error.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-usually-odd/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-usually-odd/</a></p>
<p>Which of the following bus types communicate serially?</p> <p>A) PCI Express</p> <p>B) PCI</p> <p>C) PCI-S</p> <p>D) PCI-X</p> <p>E) ISA</p> <p>F) Double-decker</p>	<p>A) PCI Express</p> <p>The serial bus of PCI Express allows it to communicate at very high speeds between motherboard components.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-transfers-are-free/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-transfers-are-free/</a></p>
<p>Which of the following can be upgraded to Windows 8.1 Enterprise and keep Windows settings, personal files, and applications in place?</p> <p>A) Windows 8 Core</p> <p>B) Windows 7 Professional</p> <p>C) Windows 8.1 Core</p> <p>D) Windows 8 Pro</p> <p>E) Windows 7 Ultimate</p> <p>F) Maybe I can do everything on my phone</p>	<p>D) Windows 8 Pro</p> <p>You can keep all Windows settings, personal files, and applications in place if you upgrade from Windows 8 to Windows 8.1. Windows 8 Pro and Enterprise can be upgraded directly to Windows 8.1 Enterprise. Upgrading from Windows 7 Windows 8.1 requires the re-installation of all third-party software.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-were-going-to-need-a-bigger-battery/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-were-going-to-need-a-bigger-battery/</a></p>

<p>Which of the following command lines would terminate the Notepad application running on process ID 4557?</p> <p>A) DELTASK /PID 4557 /T</p> <p>B) TASKLIST /IM notepad.exe</p> <p>C) RD /PID 4557 /T</p> <p>D) DEL /PID 4557 /T</p> <p>E) TASKKILL /PID 4557 /T</p> <p>F) It would be easier to click the X</p>	<p>E) TASKKILL /PID 4557 /T</p> <p>The TASKKILL command will terminate an application by name or process ID.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-command-line-isnt-as-graphical-as-i-would-like/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-command-line-isnt-as-graphical-as-i-would-like/</a></p>
<p>Which of the following could be used as another authentication factor when using a Windows VPN Connection?</p> <p>A) Remote IP address</p> <p>B) Destination name</p> <p>C) Smart card</p> <p>D) Phone number</p> <p>E) Storage drive serial number</p> <p>F) A picture of my dog</p>	<p>C) Smart card</p> <p>A smart card is one of the built-in multi-factor authentication options when configuring a VPN connection using the built-in Windows VPN client.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-but-hes-very-cute/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-but-hes-very-cute/</a></p>
<p>Which of the following features are not available when using Windows Easy Transfer to migrate to a Windows 8.1 system?</p> <p>A) External USB flash drive</p> <p>B) Microsoft OneDrive</p> <p>C) Local network connection</p> <p>D) External hard disk</p> <p>E) I usually need something hard to bang my head upon</p>	<p>C) Local network connection</p> <p>In Windows 8.1, Microsoft removed the local network and Easy Transfer cable options, and instead relies on a local storage device or Microsoft One Drive to complete the migration.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-an-os-migration-with-a-pinch-of-wrenches/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-an-os-migration-with-a-pinch-of-wrenches/</a></p>
<p>Which of the following is an advantage of using an authenticator app?</p> <p>A) Encrypts the authentication process</p> <p>B) Securely stores all of your passwords in one database</p> <p>C) Adds an additional factor during the authentication process</p> <p>D) Replaces your username and password with a single login token</p> <p>E) Assures that you are not using weak passwords when authenticating</p> <p>F) One additional thing that I can't keep charged</p>	<p>C) Adds an additional factor during the authentication process</p> <p>Authenticator apps are commonly used as another authentication factor to use during the login process. Since the authenticator app is on your personal mobile device, it can be included during the authentication process as something you own or possess.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-yes-i-want-to-use-low-power-mode/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-yes-i-want-to-use-low-power-mode/</a></p>
<p>Which of the following is commonly renewed each year?</p> <p>A) Personal software license</p> <p>B) EULA</p> <p>C) Virtual machines</p> <p>D) FOSS</p> <p>E) Enterprise software license</p> <p>F) Did I forget to renew my license tag again?</p>	<p>E) Enterprise software license</p> <p>Enterprise software licenses are often purchased on a per-seat basis for a large number of users in an organization. Instead of a single one-time purchase, enterprise software licenses commonly are sold as multi-year licenses that require ongoing renewal.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-we-should-really-have-an-online-system-for-this/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-we-should-really-have-an-online-system-for-this/</a></p>

<p>Which of the following is commonly used to automate software updates in the Linux operating system?</p> <p>A) tar</p> <p>B) update</p> <p>C) yum</p> <p>D) rsync</p> <p>E) gzip</p> <p>F) I'm not even sure what I'm updating</p>	<p>C) yum</p> <p>The Linux yum and apt-get commands are commonly used to provide on-demand and automated updates of operating system patches and applications.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-often-a-mystery/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-often-a-mystery/</a></p>
<p>Which of the following is most commonly associated with the installation of an expansion card?</p> <p>A) A driver is not required when installing an expansion card in Windows</p> <p>B) Drivers can be manually installed through Device Manager</p> <p>C) Device drivers for all products can be downloaded from the centralized Microsoft driver site</p> <p>D) Windows installs separate device drivers for all users of the operating system</p> <p>E) All drivers are integrated into the expansion card</p> <p>F) Your screwdriver will not be where you thought it was</p>	<p>B) Drivers can be manually installed through Device Manager</p> <p>Although some manufacturers will include setup programs to install device drivers, the drivers can often be installed manually through Device Manager.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-maybe-it-fell-behind-the-washer/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-maybe-it-fell-behind-the-washer/</a></p>
<p>Which of the following is most commonly completed from the Windows Recovery Environment Command Prompt?</p> <p>A) Uninstall any unneeded applications</p> <p>B) Disable a service</p> <p>C) Modify the video resolution</p> <p>D) Install Windows security updates</p> <p>E) Add a driver for new hardware</p> <p>F) Time to get better with those home keys</p>	<p>B) Disable a service</p> <p>The Windows Recovery Environment Command Prompt is a way to access the operating system at a command line before the system has started. It's common to perform detailed troubleshooting tasks at the recovery console, and perform normal application and hardware installation processes once the operating system has started normally.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-two-finger-typing-has-its-limitations/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-two-finger-typing-has-its-limitations/</a></p>
<p>Which of the following is not true of WiFi Calling?</p> <p>A) Uses voice over IP technology</p> <p>B) Uses a special app to work properly with your wireless provider</p> <p>C) Your mobile carrier must support WiFi calling</p> <p>D) Can be used when there's no wireless carrier signal</p> <p>E) Requires an Internet-connected WiFi network</p>	<p>B) Uses a special app to work properly with your wireless provider</p> <p>The WiFi calling feature is built into the operating system of your mobile device and does not require a separate app.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-for-those-important-pizza-orders/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-for-those-important-pizza-orders/</a></p>
<p>Which of the following is true of Windows permissions?</p> <p>A) Inherited permissions are propagated from the child object to the parent object</p> <p>B) Explicit permissions take precedence over inherited permissions</p> <p>C) You must set permissions of each individual object</p> <p>D) You cannot set a deny permission for a Windows share</p> <p>E) Inherited and explicit permissions are combined to create the effective permissions</p> <p>F) I prefer to ask for permission afterwards</p>	<p>B) Explicit permissions take precedence over inherited permissions</p> <p>A permission that has been explicitly assigned to an object always takes precedence over inherited permissions, even deny permissions that were inherited.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-an-exceptionally-bad-idea/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-an-exceptionally-bad-idea/</a></p>

<p>Which of the following Linux utilities would be the best choice to constantly maintain a set of file backups between storage devices?</p> <p>A) Time Machine</p> <p>B) tar</p> <p>C) robocopy</p> <p>D) rsync</p> <p>E) cp</p> <p>F) A USB flash drive and roller skates</p>	<p>D) rsync</p> <p>Linux doesn't have a single backup solution, but instead provides many options for backups. Although utilities like tar (tape archive) can be used to provide backups, you can create a near real-time file synchronization between storage devices with rsync.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-clear-the-hallway/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-clear-the-hallway/</a></p>
<p>Which of the following motherboard types would be the best choice for a standard database server?</p> <p>A) microATX</p> <p>B) ATX</p> <p>C) mini-ITX</p> <p>D) Pico-ITX</p> <p>E) Nano-ITX</p> <p>F) The pretty one</p>	<p>B) ATX</p> <p>ATX motherboards are the standard size options for desktop systems. It's common to use ATX in a server because the form factor allows for the largest number of memory module slots and expansion slots.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-like-the-blinky-lights/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-like-the-blinky-lights/</a></p>
<p>Which of the following RAM modules would be the best choice for small mobile devices?</p> <p>A) Micro-DIMM</p> <p>B) DIMM</p> <p>C) Nano-DIMM</p> <p>D) SO-DIMM</p> <p>E) USB flash</p> <p>F) The devices need to be smaller or my pocket needs to be bigger</p>	<p>A) Micro-DIMM</p> <p>Micro-DIMM memory modules have a small form factor that works well for smaller mobile devices.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theyre-called-cargo-shorts-because-you-can-fit-a-car-in-them/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theyre-called-cargo-shorts-because-you-can-fit-a-car-in-them/</a></p>
<p>Which of the following removed the restrictions created by classful subnet masks?</p> <p>A) DNS</p> <p>B) DHCP</p> <p>C) IPv6</p> <p>D) CIDR</p> <p>E) RADIUS</p> <p>F) Don't bother following those silly TCP/IP rules</p>	<p>D) CIDR</p> <p>CIDR (Classless Inter-Domain Routing) was created in the 90s to allow for flexibility when subnetting IP networks.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-wont-work-very-well/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-wont-work-very-well/</a></p>
<p>Which of the following security technologies would best prevent shoulder surfing?</p> <p>A) Mantrap</p> <p>B) RFID badge</p> <p>C) Personal firewall</p> <p>D) Smart card and PIN</p> <p>E) Privacy filter</p> <p>F) A strong rip tide</p>	<p>E) Privacy filter</p> <p>Shoulder surfers will look over your shoulder to see information that might be displayed on a computer screen. By using privacy filters, the viewing angle of the laptop or mobile device can be limited to the user of the device.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-those-were-some-sick-waves-fer-sure/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-those-were-some-sick-waves-fer-sure/</a></p>



<p>Which of the following standards is most associated with Thunderbolt?</p> <ul style="list-style-type: none"><li>A) HDMI</li><li>B) DisplayPort</li><li>C) USB</li><li>D) VGA</li><li>E) DVI</li><li>F) Looks like rain</li></ul>	<p>B) DisplayPort</p> <p>Thunderbolt connections carry both DisplayPort video and PCI Express data.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-thunder/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-thunder/</a></p>
<p>Which of the following tasks is commonly performed when maintaining a thermal printer?</p> <ul style="list-style-type: none"><li>A) Replace the fuser assembly</li><li>B) Wipe out the printer with a damp cloth</li><li>C) Replace the print head</li><li>D) Run a printer calibration</li><li>E) Replace the ribbon</li><li>F) Shovel more coal into the boiler</li></ul>	<p>B) Wipe out the printer with a damp cloth</p> <p>Thermal printers have relatively simple printing mechanisms compared to laser printer or inkjet printers. There's no moving print head and no ink or toner, so the maintenance tasks tend to focus on cleaning and keeping the paper path moving freely.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-train-isnt-moving-very-quickly/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-train-isnt-moving-very-quickly/</a></p>
<p>Which of the following technologies includes an extra register between the RAM module and the memory controller?</p> <ul style="list-style-type: none"><li>A) Registered memory</li><li>B) CPU cache</li><li>C) ECC RAM</li><li>D) Parity memory</li><li>E) Multi-channel memory</li><li>F) The self-checkout register</li></ul>	<p>A) Registered memory</p> <p>Registered memory is also called buffered memory because of the additional register between the memory module and the memory controller.</p> <p>Registered (also called buffered) memory modules have a register between the DRAM modules and the system's memory controller. They place less electrical load on the memory controller and allow single systems to remain stable with more memory modules than they would have otherwise.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-unexpected-item-in-the-bagging-area/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-unexpected-item-in-the-bagging-area/</a></p>
<p>Which of the following utilities can you use in Mac OS to perform First Aid on a drive partition?</p> <ul style="list-style-type: none"><li>A) Time Machine</li><li>B) Disk Management</li><li>C) System Information</li><li>D) Check Disk</li><li>E) Disk Utility</li><li>F) I've misplaced my bandages</li></ul>	<p>E) Disk Utility</p> <p>The Disk Utility in Mac OS can be used to manage drive partitions, get information, and perform first aid to storage drives.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-box-is-always-empty/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-box-is-always-empty/</a></p>
<p>Which of the following workstation addresses would always prevent access to the Internet?</p> <ul style="list-style-type: none"><li>A) 10.0.0.1</li><li>B) 172.30.37.14</li><li>C) 169.254.101.22</li><li>D) 192.168.77.3</li><li>E) Maybe I can do without the Internet for a few hours</li></ul>	<p>C) 169.254.101.22</p> <p>An APIPA address (Automatic Private IP Address) is an IPv4 link-local address that can only communicate to other devices on the same subnet. If you are not able to negotiate an IP address from a DHCP server, an APIPA address is automatically assigned to your computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-just-nonsense-talk/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-just-nonsense-talk/</a></p>

<p>Which of the following would be a common Task Manager feature?</p> <ul style="list-style-type: none"><li>A) Store long-term performance metrics</li><li>B) Configure a task to automatically run every day</li><li>C) Resynch a RAID 1 volume</li><li>D) Migrate an operating system from the command line</li><li>E) View real-time performance of network utilization</li><li>F) Takes out the garbage</li></ul>	<p>E) View real-time performance of network utilization</p> <p>The Windows Task Manager is commonly used to view real-time information about CPU, memory, network, and service status.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-no-thats-my-job/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-no-thats-my-job/</a></p>
<p>Which of the following would be a common use of an LVM snapshot?</p> <ul style="list-style-type: none"><li>A) Real-time backups of Linux servers</li><li>B) Restore a Windows Server from an image</li><li>C) Enable or disable services before Windows starts</li><li>D) Get information about security events</li><li>E) Refresh Windows without changing personal files and settings</li><li>F) Makes great pictures in low-light</li></ul>	<p>A) Real-time backups of Linux servers</p> <p>The Linux LVM (Logical Volume Manager) is similar to the Windows System Restore feature. Information can be backed up on a Linux device and restored very quickly based on a snapshot or point in time.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-yet-another-sunset-picture/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-yet-another-sunset-picture/</a></p>
<p>Which of the following would be a valid APIPA address?</p> <ul style="list-style-type: none"><li>A) 192.168.22.5</li><li>B) 10.5.80.2</li><li>C) 169.254.77.120</li><li>D) 172.16.22.4</li><li>E) 172.0.0.1</li><li>F) It's two blocks over, just past the diner</li></ul>	<p>C) 169.254.77.120</p> <p>APIPA addresses are automatically assigned to devices when a DHCP server is not available and a static address has not been assigned. APIPA addresses can communicate on the local subnet, but cannot be routed outside of the local network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-not-that-kind-of-address/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-not-that-kind-of-address/</a></p>
<p>Which of the following would be considered an advantage of thermal printers?</p> <ul style="list-style-type: none"><li>A) Replacement ink is commonly available</li><li>B) Thermal printers are very quiet when printing</li><li>C) There are many color printing options</li><li>D) The print toner uses easy to replace cartridges</li><li>E) Many paper types can be used in thermal printers</li><li>F) They're handy on a cold winter's night</li></ul>	<p>B) Thermal printers are very quiet when printing</p> <p>Thermal printers use heat to print instead of ink or toner and there's no moving print head. The motor that moves the paper is often louder than the printing process itself!</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-crowd-around-the-printer-with-some-hot-chocolate/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-crowd-around-the-printer-with-some-hot-chocolate/</a></p>
<p>Which of the following would be disabled when using airplane mode?</p> <ul style="list-style-type: none"><li>A) Cellular</li><li>B) Bluetooth</li><li>C) WiFi</li><li>D) NFC</li><li>E) None of these radios are disabled when using airplane mode</li><li>F) All of these radios are disabled when using airplane mode</li></ul>	<p>F) All of these radios are disabled when using airplane mode</p> <p>Airplane mode is a simple one-click feature that automatically disables every radio in your mobile device.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-like-to-have-the-whole-can/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-like-to-have-the-whole-can/</a></p>

<p>Which of the following would be most associated with DRM?</p> <p>A) Upgrade a hard drive to SSD</p> <p>B) Playing a movie from DVD</p> <p>C) Performing an OS security update</p> <p>D) Making a change to a BIOS setting</p> <p>E) Purchasing an item over the Internet with a credit card</p> <p>F) I can't even spell it</p>	<p>B) Playing a movie from DVD</p> <p>DRM (Digital Rights Management) is the control of digital media using software and/or hardware controls. These control mechanisms usually involve encryption, special licensing, and mechanisms to prevent the copying of digital media.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-sound-it-out/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-sound-it-out/</a></p>
<p>Which of the following would be most associated with MSTSC?</p> <p>A) Quickly edit system text files</p> <p>B) Diagnose DirectX audio or video components</p> <p>C) Move file fragments so they are contiguous</p> <p>D) Access the desktop on another computer</p> <p>E) Revert your system to a previous restore point</p> <p>F) Makes the colors so much brighter</p>	<p>D) Access the desktop on another computer</p> <p>MSTSC (Microsoft Terminal Services Client) is the remote desktop client that allows you to see and control a remote computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-do-not-put-your-laptop-in-the-washing-machine/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-do-not-put-your-laptop-in-the-washing-machine/</a></p>
<p>Which of the following would be most associated with OLED?</p> <p>A) Requires a cooldown process after use</p> <p>B) Does not use a backlight</p> <p>C) Has poor viewing angles</p> <p>D) Uses an array of backlights behind the screen</p> <p>E) Uses a combination of noble gas and mercury</p> <p>F) Tastes great with a glass of cold milk</p>	<p>B) Does not use a backlight</p> <p>An OLED (Organic Light Emitting Diode) display is thin, does not require a backlight, and emits light by powering an organic compound.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-nope-thats-not-even-close/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-nope-thats-not-even-close/</a></p>
<p>Which of the following would be most associated with the HomeGroup Control Panel applet?</p> <p>A) Manage non-Windows devices in your home</p> <p>B) Share media across all of your Windows devices</p> <p>C) Customize the power usage of home computers</p> <p>D) Restrict or allow network access on a per-app basis</p> <p>E) Improve the performance settings for home-based Windows systems</p> <p>F) Put all of your devices into a big pile</p>	<p>B) Share media across all of your Windows devices</p> <p>The HomeGroup feature allows you to easily share the pictures, videos, music, documents, and printers across all of your devices at home. Instead of configuring separate authentication credentials on every device, you use a single HomeGroup password across all of your systems.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-more-difficult-to-type-this-way/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-more-difficult-to-type-this-way/</a></p>
<p>Which of the following would be most likely if there was an Ethernet duplex mismatch?</p> <p>A) The network performance would be slower than normal</p> <p>B) The network connection would not transmit any data</p> <p>C) Network performance would increase</p> <p>D) Traffic would not route from the local IP subnet</p> <p>E) The network performance would be unchanged</p> <p>F) It would combine stripes and polka dots</p>	<p>A) The network performance would be slower than normal</p> <p>A duplex mismatch would cause a significant slowdown to network traffic. For the best performance, make sure the duplex matches on both sides of the Ethernet connection.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-none-of-them-would-be-the-same-color/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-none-of-them-would-be-the-same-color/</a></p>

<p>Which of the following would be most likely use a mobile device's Bluetooth interface?</p> <p>A) Health monitor</p> <p>B) Entertainment center</p> <p>C) Internet hotspot</p> <p>D) External video display</p> <p>E) NAS connection</p> <p>F) It should be a different color as my moods change</p>	<p>A) Health monitor</p> <p>Health monitors commonly use the personal area network functionality of a Bluetooth connection. Entertainment centers commonly use infrared communication, and internet hotspots often use 802.11 connections. Bluetooth isn't commonly used for external video displays, and the speeds required for a NAS (network attached storage) device do not use the relatively slow Bluetooth network connections.</p> <p><a href="http://www.professormesser.com/uncategorized/a-pop-quiz-the-new-redtooth-no-blacktooth-no-greentooth-connection/">http://www.professormesser.com/uncategorized/a-pop-quiz-the-new-redtooth-no-blacktooth-no-greentooth-connection/</a></p>
<p>Which of the following would best describe a hypervisor?</p> <p>A) Increases the overall CPU efficiency of your computer</p> <p>B) Improves the throughput of network communication</p> <p>C) Manages the resources required for virtualization</p> <p>D) Prevents malware from executing in secure areas of memory</p> <p>E) Caches CPU transactions to provide an overall faster response time</p> <p>F) It's like a regular visor, but more energetic</p>	<p>C) Manages the resources required for virtualization</p> <p>A hypervisor manages the platform and guest operating systems in a virtual environment</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-time-to-try-the-de-caf-2/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-time-to-try-the-de-caf-2/</a></p>
<p>Which of the following would best describe a network connection that connects locations in different cities?</p> <p>A) MAN</p> <p>B) PAN</p> <p>C) SAN</p> <p>D) WAN</p> <p>E) LAN</p> <p>F) City-to-city-network-thing</p>	<p>D) WAN</p> <p>A network connection that extends beyond a metropolitan or regional area is often described as a WAN (Wide Area Network).</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-a-literal-interpretation/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-a-literal-interpretation/</a></p>
<p>Which of the following would best describe a VPN?</p> <p>A) Filter traffic based on a category of URL</p> <p>B) Drop network traffic containing a known exploit</p> <p>C) Provide a network connection for virtual systems</p> <p>D) Limit the network throughput of certain applications</p> <p>E) Securely communicate across a public network</p> <p>F) I could use a ride to work</p>	<p>E) Securely communicate across a public network</p> <p>A VPN (Virtual Private Network) is commonly used to encrypt all traffic sent between two points. This allows you to securely communicate to a remote site, even if you're using an open WiFi hotspot</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-transportation/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-transportation/</a></p>
<p>Which of the following would best describe a Windows Workgroup?</p> <p>A) Authentication credentials are stored in a centralized database</p> <p>B) Share all devices on a home network with a single password</p> <p>C) Use a single username and password to access all network resources</p> <p>D) A separate authentication database is used on each shared resource</p> <p>E) Install applications on one device and use them across all computers</p> <p>F) There's not much work happening in my workgroup</p>	<p>D) A separate authentication database is used on each shared resource</p> <p>A Windows workgroup is a distributed authentication system. Each device on the network maintains its own authentication database, so a username and password for a single person may be different across multiple network resources.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/coffee-break-is-over/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/coffee-break-is-over/</a></p>

<p>Which of the following would best describe a workstation with specialized audio and video, a large fast storage drive, and dual monitors?</p> <p>A) Virtualization workstation</p> <p>B) Home theater PC</p> <p>C) Thin client</p> <p>D) Audio/Video editing workstation</p> <p>E) Home server PC</p> <p>F) That sounds awesome, I'll take two.</p>	<p>D) Audio/Video editing workstation</p> <p>An audio/video editing system requires the best audio and video possible, as well as fast and large storage devices. It's also common to use two monitors to assist with the extensive editing process.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-put-it-on-your-tab/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-put-it-on-your-tab/</a></p>
<p>Which of the following would best describe DDR memory?</p> <p>A) Has connectors on one side of the memory module</p> <p>B) Commonly used for BIOS flash memory</p> <p>C) Twice the data rate as SDR at the same clock speed</p> <p>D) Commonly used as a CPU cache</p> <p>E) Does not require constant refreshing</p> <p>F) My memory isn't what it used to be</p>	<p>C) Twice the data rate as SDR at the same clock speed</p> <p>One significant advantage of DDR memory is the doubling of the data rate over single data rate without any increase to the clock speed.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-why-i-upgraded-all-of-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-why-i-upgraded-all-of-it/</a></p>
<p>Which of the following would best describe DRM?</p> <p>A) The number of cycles occurring in a second</p> <p>B) The quality of a received signal</p> <p>C) Licensing of a video file</p> <p>D) Digital signal modulation</p> <p>E) The loss of signal over a given distance</p> <p>F) It's large with a lot of fur</p>	<p>C) Licensing of a video file</p> <p>DRM (Digital Rights Management) is the method used to control the licensing and management of digital media.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-thats-a-dog/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-thats-a-dog/</a></p>
<p>Which of the following would best describe the pwd command?</p> <p>A) Change a user account password</p> <p>B) Move the printer page forward</p> <p>C) Print the current working directory</p> <p>D) Changes the ownership of a file or directory</p> <p>E) Displays the processor's working CPU distribution</p> <p>F) It's my favorite Linux jumble word game</p>	<p>C) Print the current working directory</p> <p>The pwd command "prints" or displays the current working directory on the screen.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-try-to-use-it-in-a-sentence/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-try-to-use-it-in-a-sentence/</a></p>
<p>Which of the following would be the best choice for connecting a video monitor to a laptop computer?</p> <p>A) Thunderbolt</p> <p>B) Lightning</p> <p>C) USB</p> <p>D) FireWire</p> <p>E) Bluetooth</p> <p>F) One of those cables with every possible connector on the end</p>	<p>A) Thunderbolt</p> <p>A Thunderbolt interface is commonly used to connect both video and data devices to a high-speed external interface.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-you-never-know-what-youre-going-to-get/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-you-never-know-what-youre-going-to-get/</a></p>

<p>Which of the following would be the best choice to use for a CPU cache?</p> <p>A) SSD</p> <p>B) SDRAM</p> <p>C) CMOS</p> <p>D) SRAM</p> <p>E) EEPROM</p> <p>F) One that can fix my spelling errors</p>	<p>D) SRAM</p> <p>Static RAM (SRAM) is very fast and very expensive memory. It's common to see static RAM used in processor caches.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-high-speed-mistakes/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-high-speed-mistakes/</a></p>
<p>Which of the following would be the best example of a PC output device?</p> <p>A) Scanner</p> <p>B) Mouse</p> <p>C) Digitizer</p> <p>D) Gaming pad</p> <p>E) Speaker</p> <p>F) At least you know something is happening</p>	<p>E) Speaker</p> <p>Common PC output devices would include display screens, printers, and speakers.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-always-nice-to-get-feedback/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-always-nice-to-get-feedback/</a></p>
<p>Which of the following would be the best example of UPnP?</p> <p>A) Convert an internal IP address to an Internet-routable external address</p> <p>B) Block all unauthorized network sessions</p> <p>C) Identify and use the best available wireless frequencies</p> <p>D) Allow an internal server to automatically configure a firewall</p> <p>E) Assign IP addresses automatically</p> <p>F) Realize your shift key isn't working properly</p>	<p>D) Allow an internal server to automatically configure a firewall</p> <p>UPnP (Universal Plug and Play) allows internal devices on the network to automatically configure a firewall to allow external access to the device. This can provide a level of convenience, but it is considered to be a significant security concern and is generally disabled on the router as a best practice.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-seems-to-happen-randomly/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-seems-to-happen-randomly/</a></p>
<p>Which of the following would be the best example of Windows Firewall?</p> <p>A) A download link is removed from an email message</p> <p>B) An executable that contains malware is blocked during the download process</p> <p>C) An external port scan to your computer is blocked</p> <p>D) A virus download is blocked in your browser</p> <p>E) Links to phishing sites are removed from all email messages</p> <p>F) It has a lovely lavender scent</p>	<p>C) An external port scan to your computer is blocked</p> <p>Windows Firewall is designed to allow or deny inbound or outbound network traffic flows, especially unauthorized inbound traffic flows.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-nice-candle/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-nice-candle/</a></p>
<p>Which of the following would be the best next troubleshooting step when receiving a mobile device with a swollen battery?</p> <p>A) Perform a hard reset of the device</p> <p>B) Stop using the device immediately</p> <p>C) Perform a full backup of the device</p> <p>D) Upgrade the operating system of the mobile device</p> <p>E) Check the device for water damage</p> <p>F) I don't think my battery life will be larger now</p>	<p>B) Stop using the device immediately</p> <p>A swollen battery indicates that the battery has failed and there has been a buildup of gas inside of the battery. The batteries are designed to puff open to contain the gas and prevent any discharge of dangerous chemicals. The best next step is to stop using the device immediately.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-a-function-of-total-area/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-a-function-of-total-area/</a></p>

<p>Which of the following would be the best place to manage driver updates in Windows?</p> <p>A) BIOS</p> <p>B) S.M.A.R.T. utility</p> <p>C) System Configuration</p> <p>D) Task Manager</p> <p>E) Device Manager</p> <p>F) I use my ride sharing app</p>	<p>E) Device Manager</p> <p>All of the Windows drivers can be managed through a single console in the Windows Device Manager.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-driver/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-driver/</a></p>
<p>Which of the following would be the best use of a multimeter?</p> <p>A) Find the two ends of an Ethernet cable that extends 100 meters</p> <p>B) Verify the wire mapping of a serial cable</p> <p>C) Determine the crosstalk across an Ethernet run</p> <p>D) Test the physical interfaces of a switch</p> <p>E) View the errors and interference for a wireless network</p> <p>F) Use it as a second monitor</p>	<p>B) Verify the wire mapping of a serial cable</p> <p>A multimeter can be used to check the voltage of a circuit, view the output of a battery, or map the wires of a copper cable with a continuity test.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-or-a-third-or-fourth/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-or-a-third-or-fourth/</a></p>
<p>Which of the following would be the best use of an anti-static bag?</p> <p>A) Protect an installed PCI express adapter card</p> <p>B) Minimize electrostatic discharge when working inside of a laptop</p> <p>C) Cushion components during shipping</p> <p>D) Prevent electrostatic discharge when storing components</p> <p>E) Dissipates static electricity when walking through a doorway</p> <p>F) It's a better choice than plastic for all of your groceries</p>	<p>D) Prevent electrostatic discharge when storing components</p> <p>An anti-static bag contains chemicals that dissipate static electricity. It's common to store components in an anti-static bag when not installed in a computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-bananas-are-on-sale/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-bananas-are-on-sale/</a></p>
<p>Which of the following would be the best use of MSTSC?</p> <p>A) Defragment a hard drive</p> <p>B) Build a management framework of utilities into a single console</p> <p>C) Perform diagnostics of audio and video systems</p> <p>D) Remotely access the desktop of another computer</p> <p>E) Automatically update operating system files</p> <p>F) Reminds me when to get an oil change</p>	<p>D) Remotely access the desktop of another computer</p> <p>MSTSC (Microsoft Terminal Services Client) is commonly called Remote Desktop Connection, and it's used to remotely view the desktop of another computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-again-didnt-we-just-do-this/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-again-didnt-we-just-do-this/</a></p>
<p>Which of the following would be the best use of the FORMAT command?</p> <p>A) Partition a USB drive for multiple operating systems</p> <p>B) Write a file system to a partition</p> <p>C) Uncompress and extract files from a Windows cabinet</p> <p>D) Scan the integrity of all protected system files</p> <p>E) Change the file system used in a partition</p> <p>F) Finally change that old desktop background</p>	<p>B) Write a file system to a partition</p> <p>The format command prepares a storage device by initializing a file system onto a partition.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-but-i-like-hello-kitty/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-but-i-like-hello-kitty/</a></p>

<p>Which of the following would be the best way to backup a Mac OS device?</p> <p>A) Set a cron job to run dd each night</p> <p>B) Configure Disk Utility with online backups</p> <p>C) Use Time Machine to backup local drives</p> <p>D) Define a backup drive in Apple Backup Manager</p> <p>E) Use a third-party backup utility from the App Store</p> <p>F) No need, I can remember everything</p>	<p>C) Use Time Machine to backup local drives</p> <p>Time Machine is the built-in Mac OS backup utility, and it creates hourly, daily, and weekly backups by default</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-in-the-cloud-in-my-head/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-in-the-cloud-in-my-head/</a></p>
<p>Which of the following would be the best way to backup an iOS device?</p> <p>A) Login to Google Cloud</p> <p>B) Connect the iOS device to an external storage drive</p> <p>C) Install a blank flash memory card</p> <p>D) Connect two iOS devices together on a local network</p> <p>E) Connect to a Windows computer running iTunes</p> <p>F) Move the gear shift to R</p>	<p>E) Connect to a Windows computer running iTunes</p> <p>iTunes is used to manage iOS devices on Mac or Windows operating systems.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-is-the-best-backup-camera-ever/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-is-the-best-backup-camera-ever/</a></p>
<p>Which of the following would be the best way to configure security profiles when traveling between different networks?</p> <p>A) Enable Windows Firewall</p> <p>B) Configure network location settings</p> <p>C) Define a proxy server</p> <p>D) Create hidden shares by appending a dollar sign to the share name</p> <p>E) Enable remote access</p> <p>F) Wear sunglasses</p>	<p>B) Configure network location settings</p> <p>Windows Network Locations allow you to configure different security settings that are dependent on where you are connected. For example, you can configure different security postures when connected to public networks that are different than those on private networks.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theyll-never-find-you-in-this-hotel-lobby/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theyll-never-find-you-in-this-hotel-lobby/</a></p>
<p>Which of the following would be the best way to improve a low wireless signal notification on a laptop computer?</p> <p>A) Configure the access point with a different wireless channel</p> <p>B) Increase the output power on the laptop</p> <p>C) Modify the duplex settings on the laptop</p> <p>D) Use a different default gateway address</p> <p>E) Disable SSID broadcasts</p> <p>F) Time to get that hearing checkup</p>	<p>A) Configure the access point with a different wireless channel</p> <p>Interference can cause a wireless signal to be difficult to receive. One way to improve the signal would be to modify the frequencies used by the access point.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-what-you-said/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-what-you-said/</a></p>
<p>Which of the following would be the best way to integrate a mouse into a laptop computer?</p> <p>A) Motion sensor</p> <p>B) Touch pad</p> <p>C) USB trackball</p> <p>D) Smart card reader</p> <p>E) Use a PS/2 connector</p> <p>F) I only use key combinations</p>	<p>B) Touch pad</p> <p>It's common to integrate a mouse into the small real-estate of a laptop keyboard through the use of a touch pad.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-adds-another-difficulty-level-to-minesweeper/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-adds-another-difficulty-level-to-minesweeper/</a></p>



<p>Which of the following would be the best way to perform a periodic preventive maintenance on a laser printer?</p> <p>A) Replace the toner cartridge each month</p> <p>B) Perform a printer self-test each time the printer is turned on</p> <p>C) Use a manufacturer's maintenance kit after a specified number of pages</p> <p>D) Print at least one page each day</p> <p>E) Manually refill the toner cartridge</p> <p>F) Rotate the tires every 5,000 miles</p>	<p>C) Use a manufacturer's maintenance kit after a specified number of pages</p> <p>A printer maintenance kit includes everything you need to keep your printer in good condition. Most laser printer maintenance kits include replacement feed rollers, new fuser units, cleaning materials, and other printer-specific components.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-printer-suspension-is-like-new/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-printer-suspension-is-like-new/</a></p>
<p>Which of the following would be the best way to prevent a user from making changes to their BIOS configuration settings?</p> <p>A) Configure an Windows Domain admin password</p> <p>B) Install a TPM</p> <p>C) Enable a BIOS supervisor password</p> <p>D) Turn on BitLocker</p> <p>E) Define a BIOS user password</p> <p>F) Hide the keyboard</p>	<p>C) Enable a BIOS supervisor password</p> <p>A supervisor password in the BIOS prevents anyone from making changes to the BIOS configuration without the correct password. A BIOS user password would prevent the system from launching an operating system without the correct credentials.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-make-fewer-spelling-mistakes-with-my-mouse/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-make-fewer-spelling-mistakes-with-my-mouse/</a></p>
<p>Which of the following would be the best way to represent a Windows volume as a folder name instead of a drive letter?</p> <p>A) Mount the volume as a drive path in Disk Management</p> <p>B) Define the drive path in the NET USE mapping</p> <p>C) Change the drive letter in the system BIOS</p> <p>D) Upgrade the drive to support remote folder names</p> <p>E) Rename the volume label in Disk Management</p> <p>F) Associate each volume with a pet name and an avatar icon</p>	<p>E) Rename the volume label in Disk Management</p> <p>If a volume supports drive paths, you can mount another volume as a directory in the existing file structure.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-raid-array-just-leveled-up/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-raid-array-just-leveled-up/</a></p>
<p>Which of the following would be the best way to resolve LCD "image sticking"?</p> <p>A) Degauss the display</p> <p>B) Operate the display at a higher resolution</p> <p>C) Modify the refresh rate</p> <p>D) Disable hardware acceleration</p> <p>E) Display a white screen for an extended period of time</p> <p>F) Don't give it chocolate as a treat</p>	<p>E) Display a white screen for an extended period of time</p> <p>If you display the same image on an LCD, the image on the screen can tend to "stick" temporarily on the screen. One way to resolve this issue is to display a white screen on the display for an extended period of time. The "stuck" image will slowly fade away.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-soap-and-water-can-be-a-good-fix/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-soap-and-water-can-be-a-good-fix/</a></p>
<p>Which of the following would be the best way to restart an anti-virus background scanning process?</p> <p>A) Task Scheduler</p> <p>B) Local Security Policy</p> <p>C) Component Services</p> <p>D) ODBC Data Sources</p> <p>E) Services</p> <p>F) Maybe it's time for a complete reinstall</p>	<p>E) Services</p> <p>The Windows Services administrative tool can be used to view the status of all services and perform any start, stop, or restart functions.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-that-seems-drastic/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-that-seems-drastic/</a></p>

<p>Which of the following would be the best way to terminate a Linux process by name?</p> <p>A) kill</p> <p>B) halt</p> <p>C) taskkill</p> <p>D) killall</p> <p>E) net stop</p> <p>F) I'll be back</p>	<p>D) killall</p> <p>The Linux killall command allows you to terminate a process by name instead of using the process ID (PID).</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-he-said-theres-a-storm-coming-in/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-he-said-theres-a-storm-coming-in/</a></p>
<p>Which of the following would be the best way to upgrade Windows 8 Core to Windows 8.1 Pro?</p> <p>A) Perform a clean install</p> <p>B) Perform an in-place upgrade</p> <p>C) Run the User State Migration Tool</p> <p>D) Use XCOPY to backup and restore to a separate computer</p> <p>E) Run Windows Easy Transfer</p> <p>F) Buy a new computer every time you want to upgrade</p>	<p>B) Perform an in-place upgrade</p> <p>You can perform an in-place upgrade from Windows 8 Core to Windows 8.1 Core or Windows 8.1 Pro.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-could-add-up-quickly/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-could-add-up-quickly/</a></p>
<p>Which of the following would be the best way to view all of the configured shares on a Windows system?</p> <p>A) Control Panel / Administrative Tools / Computer Management</p> <p>B) Control Panel / Network and Sharing Center</p> <p>C) Control Panel / Computer Management</p> <p>D) Accessories / Network and Sharing Center</p> <p>E) Control Panel / Administrative Tools / System Information</p> <p>F) You'll need enough for everyone in the class</p>	<p>A) Control Panel / Administrative Tools / Computer Management</p> <p>The Computer Management utility provides a list of all of the visible and hidden shares on a Windows system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-time-to-read-bazooka-joe/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-time-to-read-bazooka-joe/</a></p>
<p>Which of the following would be the best way to view drivers loading in real-time during the Windows boot process?</p> <p>A) Enable driver debug in Event Viewer</p> <p>B) Enable OS Boot Information in System Configuration</p> <p>C) Add driver information to Performance Monitor charts</p> <p>D) Enable the boot log</p> <p>E) Load the Task Manager</p> <p>F) I'll use my second monitor to monitor my first monitor</p>	<p>B) Enable OS Boot Information in System Configuration</p> <p>The OS Boot Information option in System Configuration will modify the startup process to remove the splash screen and replace it with a real-time view of drivers loading while Windows is starting.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-lot-of-monitoring/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-lot-of-monitoring/</a></p>
<p>Which of the following would be the easiest way to migrate a system from Windows 7 to Windows 8.1 using a graphical interface?</p> <p>A) User State Migration Tool</p> <p>B) Windows Migration Manager</p> <p>C) Windows Easy Transfer</p> <p>D) Windows Backup and Restore</p> <p>E) Windows Upgrade Assistant</p> <p>F) I always migrate my computer when traveling between the US and Canada</p>	<p>C) Windows Easy Transfer</p> <p>Windows Easy Transfer is a guided GUI that provides an easy way to perform side-by-side and wipe-and-load migration tasks.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-just-to-make-sure/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-just-to-make-sure/</a></p>

<p>Which of the following would be the most common use of a laptop docking station?</p> <p>A) Increase the laptop startup speed</p> <p>B) Use a full-size adapter card with a laptop</p> <p>C) Improve the laptop video resolution</p> <p>D) Increase the amount of laptop RAM</p> <p>E) Double the amount of CPU power</p> <p>F) Tune in those distant radio stations</p>	<p>B) Use a full-size adapter card with a laptop</p> <p>A laptop docking station is used to extend the capabilities of a laptop computer. Many docking stations include a chassis for expansion cards, allowing you to extend the capabilities of your laptop with full-size adapter cards.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-that-must-be-some-antenna/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-that-must-be-some-antenna/</a></p>
<p>Which of the following would be the most secure Windows Firewall configuration on an open WiFi network?</p> <p>A) Block all outgoing connections</p> <p>B) Build a custom rule for each application in use</p> <p>C) Block all incoming connections</p> <p>D) Turn on Windows Firewall with the default settings</p> <p>E) Windows Firewall is not necessary on an open network</p> <p>F) Pour coffee over your keyboard</p>	<p>C) Block all incoming connections</p> <p>Windows Firewall can "Block all incoming connections," which prevents all connections from other devices. On an open network, this firewall configuration would be the most aggressive security posture.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-ultimate-in-secure-computing/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-ultimate-in-secure-computing/</a></p>
<p>Which of the following would describe RAID 1?</p> <p>A) Files are striped across multiple drives with a parity block</p> <p>B) File blocks are duplicated between two or more physical drives</p> <p>C) Files are striped across multiple drives</p> <p>D) Parity information is calculated and stored across multiple drives</p> <p>E) A spare drive is enabled if a production drive fails</p> <p>F) I'm still out of drive space</p>	<p>B) File blocks are duplicated between two or more physical drives</p> <p>RAID 1 is drive mirroring, where an exactly duplicate of information is written to multiple drives.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-must-have-every-high-res-texture-pack/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-must-have-every-high-res-texture-pack/</a></p>
<p>Which of the following would most commonly describe a traditional MIDI interface?</p> <p>A) RJ45</p> <p>B) DIN</p> <p>C) TRS</p> <p>D) Centronics</p> <p>E) Molex</p> <p>F) Why is the dog howling?</p>	<p>B) DIN</p> <p>Although it's common to see USB-connected MIDI devices, you'll also find some devices still using the more-traditional DIN connectors.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-such-beautiful-music/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-such-beautiful-music/</a></p>
<p>Which of the following would not be a best practice for preventing electrostatic discharge?</p> <p>A) Touch the metal chassis of a computer before touching anything on the inside</p> <p>B) Use an anti-static pad and strap</p> <p>C) When transporting electrical components, use an anti-static bag</p> <p>D) Use a wrist strap to connect to an electrical outlet's ground wire</p> <p>E) Only touch the edges of any adapter cards or circuit boards</p> <p>F) Consider a career as an alpaca farmer</p>	<p>D) Use a wrist strap to connect to an electrical outlet's ground wire</p> <p>NEVER CONNECT ANY PART OF YOU, OR ANYTHING THAT WOULD TOUCH YOU, TO A POWER OUTLET. Only devices that need electricity should be connected to a power outlet. You do not need to connect to an electrical ground to prevent electrostatic discharge. The electrical ground can contain voltages that could kill you instantly.</p> <p>Unfortunately, I have seen study materials that encourage the connection of a wrist strap or anti-static pad to an electrical ground as ESD prevention. DON'T DO THIS. THIS IS RIDICULOUSLY BAD ADVICE THAT CAN KILL YOU AND OTHERS AROUND YOU.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-so-nice-outside/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-so-nice-outside/</a></p>

<p>Which of the following would not be found on the top Desktop level of the Windows File Manager?</p> <p>A) Homegroup</p> <p>B) Libraries</p> <p>C) Network</p> <p>D) Downloads</p> <p>E) Recycle Bin</p>	<p>D) Downloads</p> <p>The top level of the Windows File Manager Desktop level is a broad jumping-off point to other areas of the system. Specific user folders are not included in this high-level Desktop item list.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-there-are-1500-little-icons-on-my-desktop/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-there-are-1500-little-icons-on-my-desktop/</a></p>
<p>Which of the following would not be true when replacing your desktop computer with a laptop?</p> <p>A) Memory and video controllers are often integrated into the primary laptop CPU</p> <p>B) The laptop system boards are designed to be modular</p> <p>C) Mouse functionality is often built into the laptop keyboard and case</p> <p>D) Laptop CPUs are designed for mobility and saving power</p> <p>E) Most laptops will use lithium-ion batteries as a power source</p> <p>F) My back doesn't hurt as much when I carry my system around</p>	<p>B) The laptop system boards are designed to be modular</p> <p>Laptop system boards/motherboards are very proprietary, and often must be replaced with a system board that is designed for a specific laptop model. Laptop motherboards are not designed to be modular between different models.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-really-large-rolling-case/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-really-large-rolling-case/</a></p>
<p>Which of the following would not be used with hot swappable storage drives?</p> <p>A) USB</p> <p>B) FireWire</p> <p>C) SATA</p> <p>D) eSATA</p> <p>E) Ethernet</p> <p>F) Pancakes</p>	<p>E) Ethernet</p> <p>Ethernet interfaces are not used as a native storage device interface. Ethernet interfaces do not provide a way to swap a storage device while a system is running.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-hot/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-hot/</a></p>
<p>Which of the following would not commonly be included in a laser printer maintenance kit?</p> <p>A) Fuser unit</p> <p>B) Feed rollers</p> <p>C) Separation pad</p> <p>D) Toner cartridge</p> <p>E) Cleaning cloths and gloves</p>	<p>D) Toner cartridge</p> <p>Although it's common to check the toner levels when performing maintenance on a laser printer, it's not necessary to replace the toner cartridge before it's empty. The maintenance of a laser printer occurs at predefined checkpoints in the lifetime of a printer, and the toner cartridges are simply replaced when they are depleted.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-in-maintenance-mode/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-in-maintenance-mode/</a></p>
<p>Which of the following would not meet the minimum requirements to install Windows Vista Business?</p> <p>A) 800 MHz processor</p> <p>B) 1 GB RAM</p> <p>C) 40 GB storage drive with 15 GB of free space</p> <p>D) DVD-ROM drive</p> <p>E) 128 MB of graphics RAM</p> <p>F) A WABAC machine</p>	<p>A) 800 MHz processor</p> <p>Windows Vista Business requires a processor that runs at a minimum of 1 GHz.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-pick-up-one-of-those-for-later-or-earlier/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-pick-up-one-of-those-for-later-or-earlier/</a></p>

<p>Which of the following would provide the best long-term analysis of application crashes?</p> <ul style="list-style-type: none"><li>A) Process Monitor</li><li>B) Event Log</li><li>C) Reliability Monitor</li><li>D) Recovery Console</li><li>E) Performance Monitor</li><li>F) I'm glad my misspelling doesn't cause app crashes</li></ul>	<p>C) Reliability Monitor</p> <p>Reliability Monitor is a utility can summarizes and displays graphs that show the reliability of all applications running in Windows. With Reliability Monitor, you can get a visual representation of every crash and application problem, which makes it easy to identify ongoing problems with an application.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-id-have-constant-reboots/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-id-have-constant-reboots/</a></p>
<p>Which of the following would you expect S.M.A.R.T. to identify?</p> <ul style="list-style-type: none"><li>A) Incorrect NTFS file permissions</li><li>B) Corrupted Master Boot Record</li><li>C) Disk read errors</li><li>D) Invalid Windows Boot Configuration Data store</li><li>E) EFS protected files</li><li>F) Only the ripest produc</li></ul>	<p>C) Disk read errors</p> <p>S.M.A.R.T (Self-Monitoring, Analysis, and Reporting Technology) is a storage drive technology that can provide detailed information about the physical drive characteristics. Logical problems with the file system would not be identified through S.M.A.R.T.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-a-technological-thumper/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-a-technological-thumper/</a></p>
<p>Which of the following would you expect to find in an AUP?</p> <ul style="list-style-type: none"><li>A) Specific rules for network use</li><li>B) A list of available files</li><li>C) A database of blocked and allowed URLs</li><li>D) A schedule for operating system updates</li><li>E) A consolidated set of event logs</li><li>F) The conversion rate is never as good as you would hope</li></ul>	<p>A) Specific rules for network use</p> <p>An AUP (Acceptable Use Policy) is usually provided to each person in an organization that connects or communicates through the corporate network. These policies provide a specific set of rules so that everyone knows exactly what type of use is acceptable when using the organization's computing resources.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-what-to-do-with-all-of-these-coins/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-what-to-do-with-all-of-these-coins/</a></p>
<p>Which of the following would you expect to find in Windows Vista Enterprise but not in Windows Vista Business?</p> <ul style="list-style-type: none"><li>A) Active Directory support</li><li>B) Encrypting File Systems support</li><li>C) BitLocker disk encryption</li><li>D) DVD-authoring utilities</li><li>E) Aero graphics</li><li>F) An easy way to win Minesweeper</li></ul>	<p>C) BitLocker disk encryption</p> <p>BitLocker is included with Windows Vista Enterprise, but no Windows Vista Business.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theres-no-shortcut/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theres-no-shortcut/</a></p>
<p>Which of the following would you expect to find on an MSDS?</p> <ul style="list-style-type: none"><li>A) UPS switchover time</li><li>B) Total memory capacity</li><li>C) First aid measures</li><li>D) Available storage space</li><li>E) CPU clock speed</li><li>F) The latest weather report</li></ul>	<p>C) First aid measures</p> <p>An MSDS (Material Safety Data Sheet) provides information about ingredients, hazard information, first aid measures, handling and storage, and more.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-clear-and-sunny/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-clear-and-sunny/</a></p>

<p>Which of the following would you expect to see using a mini-DIN connector?</p> <p>A) External storage device</p> <p>B) DVD-ROM drive</p> <p>C) Keyboard</p> <p>D) Speakers</p> <p>E) Internal accessory power</p> <p>F) I was with you until I realized it wasn't mini-Doughnuts</p>	<p>C) Keyboard</p> <p>The mini-DIN connector is commonly seen on older PS/2 keyboard and mouse connections.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-coffee-for-dunking/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-coffee-for-dunking/</a></p>
<p>Which of the following would you most commonly associate with a hypervisor?</p> <p>A) Specialized CPU features</p> <p>B) Separate GPU</p> <p>C) Integrated Northbridge</p> <p>D) Hardware RAID array</p> <p>E) Longer boot time</p> <p>F) I just need to calm down</p>	<p>A) Specialized CPU features</p> <p>A hypervisor is responsible for managing the virtualization platform and the guest operating systems that are running in the virtual platform. Because of these unique requirements, many hypervisors require a CPU that supports Intel's Virtualization Technology (VT) or AMD's AMD-V technology.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-always-like-this/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-always-like-this/</a></p>
<p>Which of the following would you most likely associate with DLP?</p> <p>A) Additional authentication is required when connecting to the VPN</p> <p>B) Switch ports are disabled until a successful authentication</p> <p>C) Medical records are blocked at the firewall</p> <p>D) You must have a physical ID card to gain access to the network</p> <p>E) Passwords must include a special character</p> <p>F) It's twice the LP</p>	<p>C) Medical records are blocked at the firewall</p> <p>DLP (Data Loss Prevention) blocks any data transfer or "leakage" of personal data such as Social Security Numbers, credit card numbers, or medical records.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-more-league-points/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-more-league-points/</a></p>
<p>Which of these are common maintenance tasks for an impact printer?</p> <p>A) Replace the print head</p> <p>B) Run a color calibration</p> <p>C) Replace the toner cartridge</p> <p>D) Clean the heating element with isopropyl alcohol</p> <p>E) Check the ink cartridge for clogs</p> <p>F) My new job is a tractor feed paper hole remover</p>	<p>A) Replace the print head</p> <p>The print head of an impact printer is constantly hitting the ribbon and paper. Eventually some pins will stop firing, and sometimes the entire print head will stop working altogether. It's common to replace this heavily used part during the normal maintenance cycle.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-had-something-to-do-with-farming/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-had-something-to-do-with-farming/</a></p>
<p>Which of these are common to CCFL LCD backlights?</p> <p>A) Uses DC power</p> <p>B) Consists of noble gas and mercury</p> <p>C) Connects via HDMI</p> <p>D) Requires a power inverter</p> <p>E) Upgradable to OLED</p> <p>F) I can never find my backlight when I need it</p>	<p>D) Requires a power inverter</p> <p>A cold cathode fluorescent lamp (CCFL) is an older style backlight for LCD displays. It requires AC power, so it's common to see a CCFL used in conjunction with an power inverter in DC-powered systems.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-in-the-backlight-drawer/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-in-the-backlight-drawer/</a></p>

<p>Which of these are common when changing a laser printer toner cartridge?</p> <p>A) Clean the print head with IPA before replacing the cartridge</p> <p>B) Examine the print head for inactive pins</p> <p>C) Perform an automated cleaning after installing the new cartridge</p> <p>D) Reset the page count after replacing the cartridge</p> <p>E) Keep the cartridge away from direct light</p> <p>F) You can never find the spare when you need it</p>	<p>E) Keep the cartridge away from direct light</p> <p>Many laser printer toner cartridges contain an organic photoconductor (OPC) drum, so it's important to avoid exposing the OPC to any direct or bright light.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-sure-it-was-in-this-closet/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-sure-it-was-in-this-closet/</a></p>
<p>Which of these are most commonly associated with an inkjet printer calibration?</p> <p>A) Position the address information when printing onto envelopes</p> <p>B) Align the colored nozzles in relation to each other</p> <p>C) Feed rollers evenly pull the paper through the printer</p> <p>D) Print heads are cleaned each day</p> <p>E) The output uses fade-resistant ink</p> <p>F) Keeps those lights out of your eyes when driving at night</p>	<p>B) Align the colored nozzles in relation to each other</p> <p>The inkjet calibration process aligns the inkjet nozzles to the paper so the lines are crisp and the colors do not overlap. The calibration process is not frequently required, although it may be useful to make minor changes after changing a print cartridge.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-those-leds-are-bright/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-those-leds-are-bright/</a></p>
<p>Which of these are the compressed version of the IPv6 address fe80:0000:0000:98c5:0395:cb40:00a8?</p> <p>A) fe80:0:0:98c5:395:cb40:a8</p> <p>B) fe80::98c5:395:cb40:a8</p> <p>C) fe80::0::98c5:395:cb40:a8</p> <p>D) fe80::98c5:395:cb4:a8</p> <p>E) I could use a vise in my network toolbox</p>	<p>B) fe80::98c5:395:cb40:a8</p> <p>With IPv6 compression, you can replace groups of zeros with a double colon and remove any leading zeros from an address group.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-bind-these-network-interfaces-together/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-bind-these-network-interfaces-together/</a></p>
<p>Which of these are true of hardware-based RAID?</p> <p>A) Requires a specific edition of the Windows operating system</p> <p>B) Does not require any special hardware</p> <p>C) Invisible to the operating system</p> <p>D) Usually performs slower than software-based RAID</p> <p>E) A perfect excuse to buy more storage space</p>	<p>C) Invisible to the operating system</p> <p>Hardware-based RAID is usually configured as part of the storage device controller BIOS, and the resulting RAID array is usually invisible to the operating system. If you examine a hardware-based mirrored drive array from inside of Windows, you would see a single drive instead of two mirrored RAID drives.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-dont-usually-need-a-reason/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-dont-usually-need-a-reason/</a></p>
<p>Which of these best describe an IMEI?</p> <p>A) OTA updates to radio bands, sub-bands, and service provider IDs</p> <p>B) Provisioned in the SIM card</p> <p>C) Required for Bluetooth pairing</p> <p>D) Identifies a physical mobile device</p> <p>E) Connects your mobile device to the right tower</p> <p>F) Makes your battery discharge twice as fast when there's only 10% left</p>	<p>D) Identifies a physical mobile device</p> <p>An IMEI (International Mobile Station Equipment Identity) is a unique identifier associated with a mobile device. Every phone has a different IMEI, and the mobile carriers can use the IMEI to allow or disallow access to their network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-defying-the-laws-of-physics-2/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-defying-the-laws-of-physics-2/</a></p>

<p>Which of these best describes a cloud-based service that can seamlessly scale up and down as needed?</p> <p>A) Resource pooling</p> <p>B) Software as a service</p> <p>C) Elasticity</p> <p>D) Hybrid</p> <p>E) Community</p> <p>F) An elevator</p>	<p>C) Elasticity</p> <p>Elasticity describes a cloud concept where the available resources can scale up and down as the demand on the architecture increases and decreases. This allows you to scale up when things are busy and scale down again when the application load isn't as demanding.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-that-must-be-a-really-high-building/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-that-must-be-a-really-high-building/</a></p>
<p>Which of these best describes an integrated GPU?</p> <p>A) Must be included to enable virtualization support</p> <p>B) Video capabilities are included on the main CPU</p> <p>C) An L3 cache is used for faster response times</p> <p>D) Only available on 32-bit systems</p> <p>E) Requires additional RAM modules</p> <p>F) Includes three months of satellite radio</p>	<p>B) Video capabilities are included on the main CPU</p> <p>A integrated GPU is often included on the same physical package as the primary CPU. This provides the system with video capabilities without requiring additional hardware on the motherboard.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-love-that-smooth-jazz-channel/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-love-that-smooth-jazz-channel/</a></p>
<p>Which of these best describes a SOHO multifunction device that collates?</p> <p>A) Output is printed on both sides of the page</p> <p>B) The orientation of printer output is rotated 90 degrees</p> <p>C) Multiple document copies are printed in their proper order</p> <p>D) All wireless communication occurs without an access point</p> <p>E) The print server is integrated into the multifunction device</p> <p>F) All of the collars have extra starch</p>	<p>C) Multiple document copies are printed in their proper order</p> <p>A collated printer output would print multiple copies in their proper order (1,2,3,4,1,2,3,4,1,2,3,4).</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-wrinkle-free/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-wrinkle-free/</a></p>
<p>Which of these best describes the DNS settings in the Windows IP address configuration?</p> <p>A) Provides a local loopback address</p> <p>B) Identifies the IP address of the local router</p> <p>C) Automatically configures the other IP address settings</p> <p>D) Converts domain names to IP addresses</p> <p>E) Provides connectivity when a DHCP server is not available</p> <p>F) Uses hypnosis to make me forget my password. Again.</p>	<p>D) Converts domain names to IP addresses</p> <p>DNS (Domain Name Services) settings are used to convert from domain names to IP addresses.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-lost-my-yellow-sticky/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-lost-my-yellow-sticky/</a></p>
<p>Which of these best describes the extension of an Apple Disk Image file?</p> <p>A) .img</p> <p>B) .tar</p> <p>C) .zip</p> <p>D) .dmg</p> <p>E) .iso</p> <p>F) At least I can't lose the disk this way</p>	<p>D) .dmg</p> <p>An Apple Disk Image file is labeled with a .dmg file extension, and will mount in the operating system as a normal file system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-bet-i-still-could/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-bet-i-still-could/</a></p>



<p>Which of these best describes the key cartridge in an inkjet printer?</p> <p>A) The cartridge used to unlock the other cartridges</p> <p>B) The key color, which is usually black</p> <p>C) The first cartridge that prints during the print cycle</p> <p>D) The cartridge used for calibration</p> <p>E) The first cartridge that must be replaced when the ink is low</p> <p>F) I can't remember where I left my key cartridge</p>	<p>B) The key color, which is usually black</p> <p>The cartridges in an inkjet printer are often referenced as CMYK, for cyan, magenta, yellow, and key (black). Some printers have individual cartridges for each color, while other printers will combine the colors together into a single replaceable cartridge.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-always-the-last-place-you-look-almost-always/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-always-the-last-place-you-look-almost-always/</a></p>
<p>Which of these best describe the technology used by PCI-X?</p> <p>A) Serial</p> <p>B) Ethernet</p> <p>C) USB</p> <p>D) Parallel</p> <p>E) Analog</p> <p>F) It repels water from your windshield</p>	<p>D) Parallel</p> <p>The PCI-X bus used parallel communication to provide higher throughput than the traditional PCI bus.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-really-is-like-magic/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-really-is-like-magic/</a></p>
<p>Which of these best describe Windows Remote Assistance?</p> <p>A) Ongoing remote access to a remote device</p> <p>B) Authenticates using the local Windows user credentials</p> <p>C) Requires a Windows Domain server</p> <p>D) May require port forwarding on the remote firewall</p> <p>E) Uses a single-use password to gain access</p> <p>F) I can't find the any key</p>	<p>E) Uses a single-use password to gain access</p> <p>Windows Remote Assistance is designed for one-time remote access to a remote device and uses a single-use password to gain access. No firewall changes or port forwarding configurations are required.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-next-to-the-cup-holder/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-next-to-the-cup-holder/</a></p>
<p>Which of these can be used with a VGA signal without any additional conversion?</p> <p>A) DVI-A</p> <p>B) HDMI</p> <p>C) Thunderbolt</p> <p>D) DVI-D</p> <p>E) DisplayPort</p> <p>F) Game controller</p>	<p>A) DVI-A</p> <p>A VGA signal is analog, so the video type used with an adapter must also support analog signals. A DVI-A signal is analog, so it can use a VGA signal with a simple adapter. VGA to DVI-A does not require an active video converter.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-doing-very-important-work/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-doing-very-important-work/</a></p>
<p>Which of these devices would commonly connect to a 6P2C connector?</p> <p>A) Ethernet adapter</p> <p>B) Keyboard or mouse</p> <p>C) Modem</p> <p>D) LCD monitor</p> <p>E) DS3 WAN link</p> <p>F) I can connect to anything with seven adapters and enough time</p>	<p>C) Modem</p> <p>A 6P2C (6 position, 2 conductor) connector is commonly used to connect to POTS (plain-old telephone system) lines. If you're connecting an analog phone or analog modem, you're probably using a cable with 6P2C connectors on it</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-going-to-need-a-couple-of-cable-ties/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-going-to-need-a-couple-of-cable-ties/</a></p>

<p>Which of these environments would be the best fit for a thermal printer?</p> <p>A) A manufacturing floor</p> <p>B) A sporting arena</p> <p>C) A dentist's office</p> <p>D) A library</p> <p>E) An airport terminal</p> <p>F) It doesn't pair well with a thermal blanket</p>	<p>D) A library</p> <p>One significant advantage of thermal printers is their relative noise when compared to other printing systems. A thermal printer is as quiet as a whisper, making it a good option in environments where noise is a concern.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-your-blanket-is-out-of-paper/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-your-blanket-is-out-of-paper/</a></p>
<p>Which of these features allows a 32-bit operating system to use more than 4 GB of physical RAM?</p> <p>A) NX</p> <p>B) SSE2</p> <p>C) EFS</p> <p>D) SSD</p> <p>E) PAE</p> <p>F) It's all getting a bit blurry</p>	<p>E) PAE</p> <p>PAE (Physical Address Extension) is a processor feature that allows a 32-bit operating system to allocate and use more than 4 GB of RAM.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theres-a-lot-of-letters-there/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theres-a-lot-of-letters-there/</a></p>
<p>Which of these features would be enabled through the use of S/MIME on your mobile device?</p> <p>A) Automatic cloud-based backups</p> <p>B) Digital signature validation of an email message</p> <p>C) Encrypted wireless communication</p> <p>D) Send outgoing messages directly to a dedicated email server</p> <p>E) Mobile applications are aware of your geographical location</p> <p>F) I need to plug in here for just a few minutes</p>	<p>B) Digital signature validation of an email message</p> <p>S/MIME (Secure/Multipurpose Internet Mail Extensions) provides integrated message encryption for email messages. It's common to use both encryption and digital signatures when S/MIME is integrated into an email client</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-assumes-that-my-battery-is-charged/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-assumes-that-my-battery-is-charged/</a></p>
<p>Which of these interfaces is commonly used to connect external speakers to a PC?</p> <p>A) FireWire</p> <p>B) USB</p> <p>C) Coax</p> <p>D) Two-wire</p> <p>E) TRS</p> <p>F) I can't find the right cable</p>	<p>E) TRS</p> <p>TRS (tip-ring-sleeve) connectors are commonly used to connect analog audio components.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-then-youll-have-to-untangle/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-then-youll-have-to-untangle/</a></p>
<p>Which of these interfaces operate at the slowest maximum throughput?</p> <p>A) FireWire Beta mode</p> <p>B) USB 2.0</p> <p>C) SATA revision 1.0</p> <p>D) Thunderbolt version 1</p> <p>E) Me before coffee</p>	<p>B) USB 2.0</p> <p>FireWire Beta mode is also known as FireWire 800, and it supports a maximum speed of 800 Mbit/sec. USB 2.0 operates at 480 Mbit/sec. SATA revision 1.0 supports a maximum throughput of 1.5 Gbit/s, and Thunderbolt version 1 supports speeds up to 10 Gbit/s per channel across two channels.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-really-slow/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-really-slow/</a></p>

<p>Which of these Internet connection types uses B and D channels?</p> <p>A) DOCSIS</p> <p>B) ISDN</p> <p>C) ADSL</p> <p>D) WiMAX</p> <p>E) Fiber</p> <p>F) This is why Google changed their name to Alphabet</p>	<p>B) ISDN</p> <p>ISDN uses two channels for communication; a B channel for data, and a D channel for signaling.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-lot-of-letters/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-a-lot-of-letters/</a></p>
<p>Which of these is commonly used when paying for groceries with a mobile phone?</p> <p>A) 802.11</p> <p>B) Infrared</p> <p>C) 802.1X</p> <p>D) NFC</p> <p>E) Bluetooth</p> <p>F) My Grocery Crush app</p>	<p>D) NFC</p> <p>NFC (Near Field Communication) is a relatively new wireless technology that provides a simple wireless connection over short distances.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-a-gallon-of-milk-is-five-gold-bars/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-a-gallon-of-milk-is-five-gold-bars/</a></p>
<p>Which of these is most associated with SSO?</p> <p>A) Centralized user database</p> <p>B) Redundant hard drives</p> <p>C) Inherited file permissions</p> <p>D) File-level encryption</p> <p>E) Administrator-level permissions</p> <p>F) No hard water marks after washing</p>	<p>A) Centralized user database</p> <p>SSO (Single Sign-on) describes a method of providing authentication credentials once and using those credentials for all subsequent authentications. A user would only need to input their login information once, and SSO ensures that no additional input is required for future authentications.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theres-a-sponge-side-and-a-scrubbing-side/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-theres-a-sponge-side-and-a-scrubbing-side/</a></p>
<p>Which of these is true regarding data recovery in Windows 8.1?</p> <p>A) All information is backed up in the system cache</p> <p>B) All data files are encrypted on disk by default</p> <p>C) Data cannot be recovered from a quick format</p> <p>D) All system files are backed up to the cloud by default</p> <p>E) Data cannot be recovered after a full format</p> <p>F) I'll still lose my USB key once a week</p>	<p>E) Data cannot be recovered after a full format</p> <p>In Windows Vista and later, a full or regular format overwrites each sector with zeros during the formatting process, making it impossible to recover any data from the drive after a full format is complete. A quick format only removes the file system table, and special software can often recover information after a quick format</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-tie-this-around-my-finger/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-tie-this-around-my-finger/</a></p>
<p>Which of these multi-factor authentication methods would be categorized as something you are?</p> <p>A) Smartcard</p> <p>B) Fingerprint</p> <p>C) Smartphone application</p> <p>D) SMS PIN</p> <p>E) GPS coordinates</p> <p>F) I'm fine, thank you very much</p>	<p>B) Fingerprint</p> <p>A biometric authentication factor is a common example of something you are. This would include fingerprints, handprints, face recognition, and other human characteristics.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-not-as-secure-as-it-should-be/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-not-as-secure-as-it-should-be/</a></p>

<p>Which of these network interfaces can lock in place using a bayonet connector?</p> <p>A) SC</p> <p>B) RJ45</p> <p>C) ST</p> <p>D) LC</p> <p>E) RJ11</p> <p>F) I'll be with you as soon as untangle this</p>	<p>C) ST</p> <p>A bayonet connector is one that pushes in and then turns a bit to lock the connector in place. The SC connector uses a push-pull snap connection, and the LC connector uses a snap connector with a locking tab. The RJ45 and RJ11 modular connectors also use a plastic locking tab. The ST (Straight Tip) connector is the only one in this list that uses a bayonet connector.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-a-new-storage-system/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-a-new-storage-system/</a></p>
<p>Which of these network services would commonly be used for URL filtering?</p> <p>A) Proxy server</p> <p>B) Authentication server</p> <p>C) IPS</p> <p>D) Web server</p> <p>E) DNS server</p> <p>F) A fine mesh strainer</p>	<p>A) Proxy server</p> <p>A proxy server is commonly used as an intermediate server between an end-user and the rest of the Internet. Since the proxy server is effectively in the middle of the conversation, you can perform many checks of the traffic before it reaches the end user. It's common to use proxy servers for virus scanning, URL filtering, access control, caching and more.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-network-with-pasta-and-red-sauce/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-network-with-pasta-and-red-sauce/</a></p>
<p>Which of these processes would commonly be performed in the Linux terminal?</p> <p>A) Full system backups</p> <p>B) File management</p> <p>C) Device driver updates</p> <p>D) Ongoing system patches</p> <p>E) All of the above</p>	<p>E) All of the above (Full system backups, File management, Device driver updates, Ongoing system patches)</p> <p>The Linux terminal provides full access to all operating system functions, and you can perform virtually any task from the terminal's command line.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-make-a-list/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-make-a-list/</a></p>
<p>Which of these standards provides the same maximum throughput as 802.11g?</p> <p>A) 802.11a</p> <p>B) 802.11b</p> <p>C) 802.11n</p> <p>D) 802.11ac</p> <p>E) 802.1X</p> <p>F) Sure, it's fast. But does it look good?</p>	<p>A) 802.11a</p> <p>802.11a and 802.11g both provide a maximum theoretical throughput of 54 megabits per second.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-how-you-feel/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-how-you-feel/</a></p>
<p>Which of these technologies allow you to control your mobile device without any type of physical contact?</p> <p>A) NFC</p> <p>B) GPS</p> <p>C) Virtual assistant</p> <p>D) WiFi calling</p> <p>E) Wireless emergency alerts</p> <p>F) Mind control</p>	<p>C) Virtual assistant</p> <p>Built-in digital virtual assistants allow you to control your mobile device using voice commands instead of direct key input.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-which-one-of-us-is-actually-being-controlled/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-which-one-of-us-is-actually-being-controlled/</a></p>

<p>Which of these Windows Vista editions would not support BitLocker?</p> <p>A) Windows Vista Home Basic</p> <p>B) Windows Vista Business</p> <p>C) Windows Vista Enterprise</p> <p>D) Windows Vista Home Premium</p> <p>E) I can rest assured that my vacation photos are safe</p>	<p>C) Windows Vista Enterprise</p> <p>BitLocker's full-disk encryption is only supported in Windows Vista Enterprise and Ultimate.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-were-climbing-the-mountain-were-at-the-top-were-climbing-down/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-were-climbing-the-mountain-were-at-the-top-were-climbing-down/</a></p>
<p>Which of these wireless encryption methods would commonly integrate with a centralized authentication database?</p> <p>A) WPA2</p> <p>B) WPA2-AUTH</p> <p>C) WPA2-Enterprise</p> <p>D) WEP-AUTH</p> <p>E) 802.11ac</p> <p>F) I have to change my password every time my favorite player is traded</p>	<p>C) WPA2-Enterprise</p> <p>WPA2-Enterprise uses 802.1X to authenticate users to a central database instead of using a shared passphrase for everyone on the network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-im-still-not-on-the-winning-team/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-and-im-still-not-on-the-winning-team/</a></p>
<p>Which of these wireless standards support a single-stream throughput of almost 900 megabits per second?</p> <p>A) 802.11g</p> <p>B) 802.11ac</p> <p>C) 802.11n</p> <p>D) 802.11a</p> <p>E) 802.11b</p> <p>F) Now I can't blame lag</p>	<p>B) 802.11ac</p> <p>802.11ac networking supports a per-stream maximum theoretical throughput of 866.7 megabits per second. The maximum of 8 allowable streams provides almost 7 gigabits per second of throughput.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-controller-is-bad/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-controller-is-bad/</a></p>
<p>Which of these would be a best practice when communicating with your end users?</p> <p>A) Refer the end user to the manual when using jargon</p> <p>B) Problems can be solved faster if interruptions are allowed</p> <p>C) Repeat your understanding of the problem back to the end user</p> <p>D) There's no reason to constantly update when there's a normal shipping delay</p> <p>E) Documentation is optional if the problem is a known issue</p> <p>F) I need to make sure my battery is charged</p>	<p>C) Repeat your understanding of the problem back to the end user</p> <p>After a problem has been described, it's always a good idea to repeat your understanding of the issue to the end user. This allows the customer to know that you fully understand the issue, and any clarifications can be made before the troubleshooting process begins.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-might-be-a-long-phone-call/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-might-be-a-long-phone-call/</a></p>
<p>Which of these would be a common symptom of network signal loss?</p> <p>A) Windows Stop Error</p> <p>B) Slow file download times</p> <p>C) Word processor spell check is not working</p> <p>D) DVD-ROM reader will not play movies</p> <p>E) Podcast audio volume is low</p> <p>F) Warmer soda than usual</p>	<p>B) Slow file download times</p> <p>A network signal loss will result in either no network connection, or very slow access over the current network link.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-sky-is-less-blue-grass-is-less-green/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-sky-is-less-blue-grass-is-less-green/</a></p>

<p>Which of these would be an advantage of using an SSHD?</p> <p>A) No moving parts</p> <p>B) Large-scale offline storage</p> <p>C) Built-in redundancy</p> <p>D) High-speed network connectivity</p> <p>E) The speed of an SSD and the storage capacity of a traditional hard drive</p> <p>F) It's a floor polish and a dessert topping</p>	<p>E) The speed of an SSD and the storage capacity of a traditional hard drive</p> <p>An SSHD (solid-state hybrid drive) combines an SSD as a high-speed cache and a traditional spinning hard drive for large storage capacities.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-tastes-terrific/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-tastes-terrific/</a></p>
<p>Which of these would be an advantage of using XCOPY over COPY?</p> <p>A) The XCOPY command works across multiple Windows operating systems</p> <p>B) XCOPY can verify that new files are written correctly</p> <p>C) The overwrite prompt can be disabled in XCOPY</p> <p>D) XCOPY can duplicate directory trees</p> <p>E) XCOPY can be used for both ASCII and binary files</p> <p>F) It's always better when you have to type more letters</p>	<p>D) XCOPY can duplicate directory trees</p> <p>One advantage of XCOPY is its ability to copy both files and directories at the command line.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-may-be-time-to-consider-voice-control/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-may-be-time-to-consider-voice-control/</a></p>
<p>Which of these would be an important consideration when replacing the print head on an impact printer?</p> <p>A) Perform a head cleaning after replacement</p> <p>B) The existing print head may be hot</p> <p>C) Use gloves to avoid transferring toner to your hands</p> <p>D) Reset the page count after replacing the print head</p> <p>E) Replace the ink cartridges at the same time</p> <p>F) So that's why my printouts were blank. I thought I wasn't pressing hard enough.</p>	<p>B) The existing print head may be hot</p> <p>The print head on an impact printer can get very hot. If you're working inside of the printer, be careful when touching or working around the print head.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-if-you-click-it-many-times-one-of-them-will-work/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-if-you-click-it-many-times-one-of-them-will-work/</a></p>
<p>Which of these would be commonly used with a micro-DIMM memory module?</p> <p>A) Desktop microcomputer</p> <p>B) Mobile device</p> <p>C) Gaming computer</p> <p>D) Media center computer</p> <p>E) Smart TV</p> <p>F) A small light</p>	<p>B) Mobile device</p> <p>Micro-DIMM modules are smaller than DIMMs or SO-DIMMs, and they're commonly used in mobile devices that have a requirement for smaller components.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-a-lamp-with-an-actual-light/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-a-lamp-with-an-actual-light/</a></p>
<p>Which of these would describe "pinning" a Windows 8.1 application?</p> <p>A) Sets a high CPU priority for the application</p> <p>B) Always launches the application on Windows startup</p> <p>C) Store application data files in the cloud</p> <p>D) Use the application side-by-side with another application on the same screen</p> <p>E) Adds an application icon to the task bar</p> <p>F) Maybe it will hold my computer together a bit better</p>	<p>E) Adds an application icon to the task bar</p> <p>You can pin an application to the taskbar to provide quick and easy access.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-im-missing-a-screw-or-two/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-im-missing-a-screw-or-two/</a></p>

<p>Which of these would be most associated with an LDAP server?</p> <ul style="list-style-type: none"><li>A) Standard MIB values</li><li>B) CNAME records</li><li>C) X.500 distinguished names</li><li>D) Trap locations</li><li>E) SMB over tcp/445</li><li>F) Just a little LDAP'll do ya</li></ul>	<p>C) X.500 distinguished names</p> <p>X.500 is a standard method for organizing and storing data in an LDAP database.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-certainly-not-me/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-certainly-not-me/</a></p>
<p>Which of these would be most associated with the Windows System Configuration utility?</p> <ul style="list-style-type: none"><li>A) Start Windows in Diagnostic Mode</li><li>B) Update the Windows operating system after a migration</li><li>C) Run the Windows Startup Repair process</li><li>D) Update a registry hive</li><li>E) Add a new storage device</li><li>F) Tells you where you left your screwdriver</li></ul>	<p>A) Start Windows in Diagnostic Mode</p> <p>System Configuration allows you to manage the boot process, configure startup services and applications, and troubleshoot the Windows startup process.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-nothing-can-help-with-allen-wrenches/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-nothing-can-help-with-allen-wrenches/</a></p>
<p>Which of these would be most commonly associated with a KVM?</p> <ul style="list-style-type: none"><li>A) Data center</li><li>B) Media center server</li><li>C) Set-top box</li><li>D) Musical instrument interface</li><li>E) Touch screens</li><li>F) I like mine with some honey and a bit of milk</li></ul>	<p>A) Data center</p> <p>A KVM (Keyboard, Video, and Mouse) switch is commonly used to connect a single keyboard, monitor, and mouse to multiple computers. It's common to see KVMs in a data center that are connected to tens or hundreds of physical servers.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-one-of-those-fancy-tea-drinks/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-one-of-those-fancy-tea-drinks/</a></p>
<p>Which of these would be most commonly used to connect an external storage device to a computer?</p> <ul style="list-style-type: none"><li>A) SATA</li><li>B) FireWire</li><li>C) DVI</li><li>D) TOSLINK</li><li>E) TRS</li><li>F) Where's that frayed cable that I can never find when when I need it</li></ul>	<p>B) FireWire</p> <p>FireWire is a high-speed interface that is commonly used on external storage devices.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-the-cat-has-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-the-cat-has-it/</a></p>
<p>Which of these would best describe a BIOS/UEFI user password?</p> <ul style="list-style-type: none"><li>A) All users connecting to a network share must know this password</li><li>B) The system will not boot without the password</li><li>C) No new applications can be installed without the password</li><li>D) This password is used for all devices in the same home workgroup</li><li>E) Account changes are allowed after entering this password</li><li>F) It's another password I won't remember</li></ul>	<p>B) The system will not boot without the password</p> <p>A BIOS user password is used to prevent the system from booting unless the correct password is entered. A BIOS supervisor or administrator password is used to prevent any changes to the BIOS configuration.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-make-and-model-of-your-first-car/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-make-and-model-of-your-first-car/</a></p>

<p>Which of these would best describe a fingerprint scanner on a mobile phone?</p> <p>A) Digitizer</p> <p>B) Motion sensor</p> <p>C) Touch pad</p> <p>D) Biometric device</p> <p>E) Smart card reader</p> <p>F) This all works great until molting season</p>	<p>D) Biometric device</p> <p>An input device that measures a biological characteristic is a biometric device. It's common to see biometric devices used for authentication and access, especially fingerprints and face recognition.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-sure-the-hair-is-coming-back-any-day-now/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-sure-the-hair-is-coming-back-any-day-now/</a></p>
<p>Which of these would best describe a laser printer separation pad?</p> <p>A) Color toner is transferred from separate cartridges to a single belt</p> <p>B) Divides the output into a front page and back page</p> <p>C) Removes any unused toner from the imaging drum</p> <p>D) Places the printer output into separate trays</p> <p>E) A single page is pulled from the paper tray for each print job</p> <p>F) A place to stay when you're trying to "find yourself"</p>	<p>E) A single page is pulled from the paper tray for each print job</p> <p>The separation pad is usually found on the paper tray, and its primary purpose is to allow just the top sheet of the tray to be used during a single print job. If the printer is pulling more than one page at a time, the separation pad is usually the first place to start troubleshooting.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-still-looking/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-still-looking/</a></p>
<p>Which of these would best describe a power supply with multiple voltage rails?</p> <p>A) More than one computer can be simultaneously powered</p> <p>B) A power overload will shut down the PSU instead of damaging the computer</p> <p>C) The power supply can operate at multiple input voltages</p> <p>D) A power overload will damage the computer instead of shutting down the PSU</p> <p>E) Multiple power supplies can be used in a single system</p> <p>F) More trains can run at the same time</p>	<p>B) A power overload will shut down the PSU instead of damaging the computer</p> <p>Multiple voltage rails can distribute the power load. When a power overload occurs on one rail, it can be identified and the power supply can be shut down before damage occurs to the computer hardware.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-choo-choo/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-choo-choo/</a></p>
<p>Which of these would best describe malware that infects your system by pretending that it's something else?</p> <p>A) Worm</p> <p>B) Rootkit</p> <p>C) Ransomware</p> <p>D) Trojan Horse</p> <p>E) Phishing</p> <p>F) My operating system</p>	<p>D) Trojan Horse</p> <p>A trojan horse is software that pretends to do one thing, but behind the scenes it's busy infecting your computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-there-are-days-when-its-fighting-me/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-there-are-days-when-its-fighting-me/</a></p>
<p>Which of these would best describe multiple voltage rails?</p> <p>A) Provides multiple voltages over the same wires</p> <p>B) Improves the overall power load regulation</p> <p>C) Can automatically power down unused devices</p> <p>D) Provides power to multiple computers</p> <p>E) Decreases overall power consumption</p> <p>F) Makes me cry when my power bill arrives</p>	<p>B) Improves the overall power load regulation</p> <p>Multiple power rails can be configured to regulate a voltage supply across multiple devices, which provides better overall power management inside of the computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-costs-a-lot-to-keep-this-phone-charged/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-costs-a-lot-to-keep-this-phone-charged/</a></p>



<p>Which of these would best describe the principle of least privilege?</p> <p>A) Everyone has administrative access to the network</p> <p>B) The human resources department can modify the passwords for corporate users</p> <p>C) The shipping department cannot view any spreadsheets from the accounting department</p> <p>D) Backups are stored offsite</p> <p>E) A single public folder is used by all departments</p> <p>F) You get your allowance after your chores are done</p>	<p>C) The shipping department cannot view any spreadsheets from the accounting department</p> <p>The principle of least privilege is a security policy that limits the rights of a user to have only those rights necessary to perform their assigned tasks.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-in-my-case-its-the-very-least-privilege/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-in-my-case-its-the-very-least-privilege/</a></p>
<p>Which of these would best describe XPS?</p> <p>A) Cross-platform interoperability</p> <p>B) Only available on certain printers</p> <p>C) File management protocol for Mac OS</p> <p>D) Enables wireless printing</p> <p>E) Should be disabled on all wireless networks</p> <p>F) Improves gas mileage efficiency</p>	<p>A) Cross-platform interoperability</p> <p>XPS (Microsoft XML Paper Specification) is a standard for virtual printing. There are XPS readers available for many different operating systems.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-perfect-for-those-cross-country-trips/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-perfect-for-those-cross-country-trips/</a></p>
<p>Which of these would be the best choice for mapping a path between a workstation and a web server?</p> <p>A) nbtstat</p> <p>B) netmap</p> <p>C) net view</p> <p>D) traceroute</p> <p>E) nmap</p> <p>F) Maybe we should stop for directions</p>	<p>D) traceroute</p> <p>The traceroute utility can easily create a map that lists the routes between two devices.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-turn-left-at-the-fork-in-the-road/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-turn-left-at-the-fork-in-the-road/</a></p>
<p>Which of these would be the best choice for resizing an NTFS volume?</p> <p>A) Windows Recovery Console</p> <p>B) Disk Management</p> <p>C) System Configuration</p> <p>D) Disk Check</p> <p>E) RAID</p> <p>F) I use a vice and some rubber bands</p>	<p>B) Disk Management</p> <p>The Disk Management utility allows you to shrink, extend, split, and make other changes to Windows volumes.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-as-effective-as-you-might-think/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-as-effective-as-you-might-think/</a></p>
<p>Which of these would be the best choice to identify crossed wires in an Ethernet cable?</p> <p>A) Loopback plug</p> <p>B) Crimper</p> <p>C) Toner probe</p> <p>D) Cable tester</p> <p>E) Multimeter</p> <p>F) This is a different situation than when my own wires are crossed</p>	<p>D) Cable tester</p> <p>A crossed wire or broken connection in a cable can easily be identified by using a cable tester.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-thursday/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-thursday/</a></p>

<p>Which of these would be the best example of a line-of-sight service?</p> <p>A) ISDN</p> <p>B) DSL</p> <p>C) WiMAX</p> <p>D) Cable modem</p> <p>E) Fiber Ethernet</p> <p>F) Now I need line-of-power and line-of-snacks</p>	<p>C) WiMAX</p> <p>WiMAX (Worldwide Interoperability for Microwave Access) is a wireless service that requires a line-of-sight to communicate from antenna to antenna.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-nearly-perfect/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-nearly-perfect/</a></p>
<p>Which of these would be the best example of an embedded system?</p> <p>A) Web server</p> <p>B) DHCP server</p> <p>C) Security camera server</p> <p>D) UTM</p> <p>E) Authentication server</p> <p>F) A convertible sofa</p>	<p>C) Security camera server</p> <p>Embedded systems are often purpose-built devices that don't usually provide end-user access to the operating system of the device. Security camera servers are often provided as turnkey systems without any direct access to the underlying OS.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-not-that-kind-of-bed/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-not-that-kind-of-bed/</a></p>
<p>Which of these would be the best first step when upgrading a system from Windows 7 Professional to Windows 8 Pro?</p> <p>A) Run a USMT ScanState</p> <p>B) Install Windows Easy Transfer</p> <p>C) Run the Windows Upgrade Assistant</p> <p>D) Upgrade the system BIOS</p> <p>E) Run a USMT LoadState</p> <p>F) Pick out the fastest laptop you can</p>	<p>C) Run the Windows Upgrade Assistant</p> <p>The Windows Upgrade Assistant will give you a detailed report of what hardware and software would be compatible (and incompatible) with an upgrade of the operating system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-you-were-buying/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-you-were-buying/</a></p>
<p>Which of these would be the best reason for frequently changing your password?</p> <p>A) Makes it more difficult to brute force your password</p> <p>B) Creates a new Security ID each time the password is updated</p> <p>C) Limits the use of a compromised account</p> <p>D) Encrypts your files with a different passphrase</p> <p>E) Limits the permissions associated with your account</p> <p>F) Because you need one more thing to remember</p>	<p>E) Limits the permissions associated with your account</p> <p>Frequent updates to a password don't make it any more difficult to brute force, but it does limit the amount of time that a compromised account could be used by the bad guys.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-or-not-as-the-case-may-be/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-or-not-as-the-case-may-be/</a></p>
<p>Which of these would be the best reason to avoid WPS on your wireless network?</p> <p>A) The encryption process has a cryptographic vulnerability</p> <p>B) The encryption method is not supported by newer access points</p> <p>C) The frequencies used are easily absorbed by surrounding objects</p> <p>D) Access to the network can be trivially brute-forced</p> <p>E) The overhead slows down all network transactions</p> <p>F) It means that I have to get work done now</p>	<p>D) Access to the network can be trivially brute-forced</p> <p>WPS (Wi-Fi Protected Setup) was an authentication method for wireless networks that was intended to make it easy to securely connect to a wireless network. Unfortunately, the PIN process was found to be easily brute-forced, and it only takes a few hours to try all of the possible combinations and gain access to a WPS-enabled network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-weekend-is-so-short/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-weekend-is-so-short/</a></p>

<p>Which of these would be the best troubleshooting option for mobile device apps that won't load?</p> <p>A) Enable airplane mode</p> <p>B) Perform a factory reset</p> <p>C) Check the signal strength of the wireless network</p> <p>D) Disable GPS functions</p> <p>E) Perform a soft reset</p> <p>F) See how far the phone will fly</p>	<p>E) Perform a soft reset</p> <p>App problems on a mobile device can often be resolved by powering down the device and back on. An app update may also help resolve a known problem with the software.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-has-been-a-problem-for-a-long-time/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-has-been-a-problem-for-a-long-time/</a></p>
<p>Which of these would be the best use of SFC?</p> <p>A) Modify the startup settings for a Windows service</p> <p>B) Boot from a USB drive</p> <p>C) Configure a startup password</p> <p>D) Validate the operating system files</p> <p>E) Reset the computer to factory default settings</p> <p>F) Improve your overall city mileage</p>	<p>D) Validate the operating system files</p> <p>SFC (System File Checker) runs an integrity scan on your operating system files. It's common to run an SFC scan to confirm that the files that run the system have not been inadvertently changed.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-involves-a-lot-of-pushing/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-involves-a-lot-of-pushing/</a></p>
<p>Which of these would be the best way to check your Windows file system for logical errors?</p> <p>A) Reboot and run Startup Repair</p> <p>B) Run CHKDSK without any options</p> <p>C) Start a third-party analysis program from a Windows PE</p> <p>D) Run FDISK with logical error checking enabled</p> <p>E) Run DISKPART from the Windows Recovery Console</p> <p>F) This sentence is false</p>	<p>B) Run CHKDSK without any options</p> <p>Running the CHKDSK command without any parameters can identify logical file errors, but it won't fix any issues. If you use the /F parameter, the command will identify and fix any logical file errors.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-logical-error/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-logical-error/</a></p>
<p>Which of these would be the best way to configure Microsoft Access database drivers in Windows 7?</p> <p>A) Component Service</p> <p>B) SQL Server</p> <p>C) ODBC Data Sources</p> <p>D) Device Manager</p> <p>E) Registry Editor</p> <p>F) Use the new Microsoft Driver Rideshare app</p>	<p>C) ODBC Data Sources</p> <p>The ODBC Data Source Administrator allows you to administratively configure the drivers necessary to access database engines using ODBC-compatible applications.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-car-keeps-breaking-down/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-car-keeps-breaking-down/</a></p>
<p>Which of these would be the best way to connect a smartphone to an automobile and a smartwatch?</p> <p>A) Bluetooth</p> <p>B) Lightning</p> <p>C) IR</p> <p>D) Micro-USB</p> <p>E) 802.11</p> <p>F) Super glue</p>	<p>A) Bluetooth</p> <p>Bluetooth provides high-speed wireless connectivity over short distances, so it's the best choice for simultaneously connecting many mobile devices together.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-never-losing-these-again/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-never-losing-these-again/</a></p>

<p>Which of these would be the best way to dispose of a depleted toner cartridge?</p> <p>A) Use a third-party to dispose using incineration</p> <p>B) Recycle the cartridge</p> <p>C) Throw the cartridge in the normal trash bin</p> <p>D) Send the cartridge to be shredded</p> <p>E) Dispose at your local hazardous waste facility</p> <p>F) Stack the used cartridges together to make a toner fort</p>	<p>B) Recycle the cartridge</p> <p>Many toner cartridge companies provide a way to recycle and refill the cartridge, and many office supply stores provide a drop-off and a discount for purchasing new cartridges.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-fort-paper-cassette-load-letter/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-fort-paper-cassette-load-letter/</a></p>
<p>Which of these would be the best way to prevent someone from seeing your network name on a list of available wireless networks?</p> <p>A) Enable WPA2</p> <p>B) Use a directional antenna</p> <p>C) Enable MAC address filtering</p> <p>D) Disable SSID broadcasts</p> <p>E) Change the default network username and password</p> <p>F) Use camouflage paint on the access point</p>	<p>D) Disable SSID broadcasts</p> <p>SSID broadcasts are used to populate the lists of available wireless networks. If you disable the broadcasts on your access point, then the name will no longer appear in the list of available networks. Someone who knows the name can still add the name manually in their wireless device and attempt to connect to the network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-network-is-completely-invisible/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-network-is-completely-invisible/</a></p>
<p>Which of these would be the best way to prevent the disclosure of information in a public place?</p> <p>A) Key fob</p> <p>B) Spam filter</p> <p>C) ACLs</p> <p>D) BitLocker</p> <p>E) Privacy filter</p> <p>F) Stick to bottled water</p>	<p>E) Privacy filter</p> <p>A privacy filter on a laptop screen makes the contents appear completely black to anyone who's not directly in front of the screen.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-loose-lips-sink-ships/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-loose-lips-sink-ships/</a></p>
<p>Which of these would be the best way to recover a file that has been deleted from the Windows Recycle Bin?</p> <p>A) Perform a drive defragmentation</p> <p>B) Run CHKDSK with the /R option</p> <p>C) Perform a sector-level backup of the drive</p> <p>D) Use the BOOTREC utility from the Windows recovery console</p> <p>E) Use specialized file recovery software</p> <p>F) Keep scrolling through File Manager in horror</p>	<p>E) Use specialized file recovery software</p> <p>The process of deleting files in Windows only removes the pointer to the file and not the actual file data. To recover the original data, you can often use third-party file recovery software to search through the drive and recover any data that might not have been overwritten yet.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-really-gone/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-really-gone/</a></p>
<p>Which of these would be the best way to require a password before your computer will boot Windows?</p> <p>A) Configure a Windows Local Security Policy</p> <p>B) Disable all Guest accounts</p> <p>C) Boot from the Windows installation media</p> <p>D) Use the NTFS file system</p> <p>E) Add a BIOS password</p> <p>F) Hide the power cord</p>	<p>E) Add a BIOS password</p> <p>A BIOS user password will prompt the user for a password before the system will access any storage devices.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ive-got-a-spare/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ive-got-a-spare/</a></p>

<p>Which of these would be the best way to restore Linux workstation files to a previous date and time?</p> <p>A) Run System Restore</p> <p>B) Revert to a previous LVM snapshot</p> <p>C) Restart the system with the fsck option</p> <p>D) Rebuild the RAID array</p> <p>E) Modify the /etc/date configuration file</p> <p>F) It's Thursday, but tell everyone you thought it was Wednesday</p>	<p>B) Revert to a previous LVM snapshot</p> <p>The LVM (Logical Volume Manager) snapshot process is similar to the Windows System Restore feature. You can use the LVM snapshot feature to create a restoration point for your data.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-perception-is-everything/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-perception-is-everything/</a></p>
<p>Which of these would be the best way to start System Restore when booting?</p> <p>A) Start your computer with the Windows installation media</p> <p>B) Start the system in VGA mode</p> <p>C) Boot from a USB flash drive</p> <p>D) Launch System Restore from the BIOS settings</p> <p>E) Press F8 and select Repair</p> <p>F) This hammer doesn't work as well as it used to</p>	<p>E) Press F8 and select Repair</p> <p>The System Restore utility can be accessed during started by using the Windows F8 key to launch the Advanced Boot Options. The System Restore utility will be available under the Repair option.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-feel-better-though/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-feel-better-though/</a></p>
<p>Which of these would be the best way to tell if an external laptop power supply was working properly?</p> <p>A) Check for lights on the external power supply</p> <p>B) Leave the power supply connected for at least one hour</p> <p>C) Examine the battery lights before and after the power supply is connected</p> <p>D) Use a multimeter to check the AC power input and DC power output</p> <p>E) Check the operating system power settings</p> <p>F) Eat a power bar and drink a power shake</p>	<p>D) Use a multimeter to check the AC power input and DC power output</p> <p>A multimeter can be your best friend when dealing with power issues. You can use the multimeter to check both the power source at the wall outlet and the DC power provided by the laptop's external power supply.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-at-least-something-is-going-to-get-some-power/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-at-least-something-is-going-to-get-some-power/</a></p>
<p>Which of these would be the best way to turn a mobile device into a point of sale terminal?</p> <p>A) Scan QR codes with the built-in camera</p> <p>B) Connect a Bluetooth-connected printer</p> <p>C) Use the camera to capture credit card numbers</p> <p>D) Store all transactions on a microSD card</p> <p>E) Connect a credit card reader to the TRRS jack</p> <p>F) Keep me away from the technology isle</p>	<p>E) Connect a credit card reader to the TRRS jack</p> <p>It's common to use the TRRS connector as a magnetic card reader. An Internet connection on the mobile device can approve the transaction, and customers can use their finger to "sign" on the mobile device touchscreen.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-but-i-need-that-gadget/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-but-i-need-that-gadget/</a></p>
<p>Which of these would be the best way to use multiple desktops in Mac OS?</p> <p>A) Desktop VM</p> <p>B) Mission Control</p> <p>C) Boot Camp</p> <p>D) Remote Disc</p> <p>E) Spaces</p> <p>F) Surround yourself with multiple laptops</p>	<p>E) Spaces</p> <p>The Mac OS Spaces utility provides a method to create multiple desktops. Users can easily switch from one desktop to another to create custom workspaces.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-im-getting-a-tan/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-im-getting-a-tan/</a></p>

<p>Which of these would be the most common use of an authenticator app on a mobile device?</p> <p>A) Integrate lock screen authentication to a centralized database</p> <p>B) Validate a biometric input from the mobile device owner</p> <p>C) Associate the smartphone with a mobile device manager</p> <p>D) Generate a token for VPN authentication</p> <p>E) Allow the user to remotely reset the mobile device</p> <p>F) Provides another way to drain my power</p>	<p>D) Generate a token for VPN authentication</p> <p>A common use for an authenticator app would be the generation of pseudo-random tokens to use as an additional factor when authenticating.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-plug-in-for-a-few-minutes/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-to-plug-in-for-a-few-minutes/</a></p>
<p>Which of these would be the most common use of REGSVR32?</p> <p>A) Modify the startup programs in the Windows Registry</p> <p>B) Collect long-term system statistics</p> <p>C) View the list of running applications and services</p> <p>D) Enable or disable startup services</p> <p>E) Register and unregister a DLL</p> <p>F) It keeps my World of Warcraft installation up to date</p>	<p>E) Register and unregister a DLL</p> <p>REGSVR32 is the Microsoft Register Server, and it's commonly used to register and unregister DLLs from the Windows operating system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-dont-have-time-for-all-of-these-dailies/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-dont-have-time-for-all-of-these-dailies/</a></p>
<p>Which of these would be the most common use of the Mac OS Disk Utility?</p> <p>A) Perform First Aid on a drive</p> <p>B) Undelete a file or folder</p> <p>C) Backup and restore a file or folder</p> <p>D) Compress a series of files for transfer</p> <p>E) Encrypt a portion of a file system</p> <p>F) It's part of the Mac OS Disk Utility Vehicle</p>	<p>A) Perform First Aid on a drive</p> <p>The Mac OS Disk Utility application can partition, erase, unmount, or run a disk check called First Aid. The First Aid feature is very similar to the function of Windows Check Disk utility.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-off-road-with-a-spinning-beach-ball/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-off-road-with-a-spinning-beach-ball/</a></p>
<p>Which of these would be the most important characteristic of a gaming PC?</p> <p>A) Built-in tuner</p> <p>B) HTPC form factor</p> <p>C) Multicore processor</p> <p>D) RAID array</p> <p>E) Network-connected printer</p> <p>F) Chip and salsa dispenser</p>	<p>C) Multicore processor</p> <p>A gaming PC requires a higher-end processor than a standard desktop computer, and generally uses a specialized graphics processor, high-end audio, and specialized cooling.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-with-optional-cheese-board/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-with-optional-cheese-board/</a></p>
<p>Which of these would be the most likely reason for configuring an SMTP server address on a mobile device?</p> <p>A) Integrates with the corporate email server</p> <p>B) Download mail from your email account to the mobile device</p> <p>C) Send mail from your mobile device to an email server</p> <p>D) Enable remote wipe functionality</p> <p>E) Manage the mobile device from a mobile device manager</p> <p>F) You need one more thing to configure in your life</p>	<p>C) Send mail from your mobile device to an email server</p> <p>An SMTP (Simple Mail Transfer Protocol) server configuration is used on a mobile device to send emails from the mobile device. You would commonly configure POP3 or IMAP for incoming emails.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-getting-a-little-quiet-around-here/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-thought-it-was-getting-a-little-quiet-around-here/</a></p>

<p>Which of these would be used as the printing mechanism on an impact printer?</p> <ul style="list-style-type: none"><li>A) Toner</li><li>B) Fabric ribbon</li><li>C) Colored pen</li><li>D) Ink cartridge</li><li>E) Heating element</li><li>F) Crayons</li></ul>	<p>B) Fabric ribbon</p> <p>Impact printers use fabric ribbons cartridges to provide the ink to the print heads.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-financial-report-is-so-colorful/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-this-financial-report-is-so-colorful/</a></p>
<p>Which of these would commonly be used to view the list of an organization's employees?</p> <ul style="list-style-type: none"><li>A) SNMP</li><li>B) DHCP</li><li>C) SMB</li><li>D) LDAP</li><li>E) SSH</li><li>F) We used to put these things in big books</li></ul>	<p>D) LDAP</p> <p>LDAP (Lightweight Directory Access Protocol) is a standard method of querying a directory of objects. It's common to use LDAP databases to store the list of users for authentication to the network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-another-three-ring-binder/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-need-another-three-ring-binder/</a></p>
<p>Which of these would commonly determine the DNS settings in a workstation?</p> <ul style="list-style-type: none"><li>A) Windows Active Directory</li><li>B) Subnet mask</li><li>C) CIDR-block notation</li><li>D) DHCP</li><li>E) SSID</li><li>F) The day of the week</li></ul>	<p>D) DHCP</p> <p>The DHCP (Dynamic Host Configuration Protocol) is commonly used to automatically configure TCP/IP settings in a device, such as the TCP/IP address, the subnet masks, a default gateway, and the IP address of the DNS servers.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-only-those-that-end-in-y/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-only-those-that-end-in-y/</a></p>
<p>Which of these would commonly need to be cleaned out of a thermal printer?</p> <ul style="list-style-type: none"><li>A) Unused toner</li><li>B) Ink ribbon debris</li><li>C) Paper bits</li><li>D) Thermal residue</li><li>E) Printer ink</li><li>F) Coal dust and stick debris</li></ul>	<p>C) Paper bits</p> <p>There aren't a lot of moving parts in a thermal printer, and there's no ink or toner to clean. The most common debris is left by the paper that moves through the printer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-printer-at-the-north-pole/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-printer-at-the-north-pole/</a></p>
<p>Which of these would commonly use a transfer belt and roller?</p> <ul style="list-style-type: none"><li>A) Hard drive</li><li>B) Laser printer</li><li>C) Scanner</li><li>D) Thermal printer</li><li>E) DVD-ROM drive</li><li>F) We'll have a barrel of fun</li></ul>	<p>B) Laser printer</p> <p>A transfer belt and roller is commonly used in color laser printers to transfer the image from all color cartridges to a single belt.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-gangs-all-here/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-gangs-all-here/</a></p>

<p>Which of these would most likely indicate browser redirection malware?</p> <ul style="list-style-type: none"><li>A) File permissions have changed</li><li>B) Anti-virus software is disabled</li><li>C) Site certificates do not validate</li><li>D) System randomly stops and requires a reboot</li><li>E) System does not shut down normally</li><li>F) The browser has to stop and ask for directions for every website</li></ul>	<p>C) Site certificates do not validate</p> <p>Browser redirection malware controls or manages the pages shown in your browser. It's common to have pages redirect to other search engines or to have unintended pop-up windows appear when visiting other websites. Some redirection software may use a proxy, which often causes the browser validation to fail when visiting HTTPS websites.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-should-use-a-gps-instead/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-should-use-a-gps-instead/</a></p>
<p>Which of these would you commonly connect to an eSATA cable?</p> <ul style="list-style-type: none"><li>A) Internal SSD</li><li>B) External DVD-ROM drive</li><li>C) KVM switch</li><li>D) External monitor</li><li>E) Wireless router</li><li>F) I'm just happy I found the cable</li></ul>	<p>B) External DVD-ROM drive</p> <p>eSATA connections are commonly used to connect external storage devices to your computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-the-little-things/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-the-little-things/</a></p>
<p>Which of these would you configure on your router to provide 24 by 7 Internet access to a home video surveillance system?</p> <ul style="list-style-type: none"><li>A) NAT</li><li>B) Port triggering</li><li>C) WPA2</li><li>D) QoS</li><li>E) Port forwarding</li><li>F) Say cheese</li></ul>	<p>E) Port forwarding</p> <p>Port forwarding configures a permanent association between your external Internet-facing IP address and a service running on your internal network.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-hair-is-a-mess/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-hair-is-a-mess/</a></p>
<p>Which of these would be the best use of an impact printer?</p> <ul style="list-style-type: none"><li>A) Create multiple copies at the same time</li><li>B) Print in a noise-sensitive area</li><li>C) Create high-quality graphical output</li><li>D) Output a digital file to print at a later time</li><li>E) Create poster-sized output</li><li>F) It tenderizes the steak</li></ul>	<p>A) Create multiple copies at the same time</p> <p>The physical pins hitting the printed page allow an impact printer to create multiple copies of a form at the same time.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-perfect-printer-for-your-summer-grilling/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-perfect-printer-for-your-summer-grilling/</a></p>
<p>Which port number is commonly used by IMAPS?</p> <ul style="list-style-type: none"><li>A) tcp/143</li><li>B) tcp/993</li><li>C) tcp/443</li><li>D) tcp/8080</li><li>E) tcp/995</li><li>F) I don't need a port to look at maps</li></ul>	<p>B) tcp/993</p> <p>IMAP over SSL, or IMAPS, commonly uses TCP port 993 to communicate between the client and server.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-map/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-map/</a></p>



<p>Which type of LCD display would be the best choice for gaming?</p> <p>A) LED</p> <p>B) IPS</p> <p>C) TN</p> <p>D) XPS</p> <p>E) OLED</p> <p>F) The largest one</p>	<p>C) TN</p> <p>A TN (Twisted Nematic) LCD display suffers from poor viewing angles, but the screen response times are very fast. It's common to prefer TN displays when gaming or when the applications require a very fast response time.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-size-of-that-wall-is-just-right/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-size-of-that-wall-is-just-right/</a></p>
<p>Why do many inkjet printers include multiple print cartridges?</p> <p>A) The cartridges contain different colors</p> <p>B) When one cartridge is empty, the other cartridge continues to print</p> <p>C) Multiple pages can be printed simultaneously</p> <p>D) The printer can be calibrated automatically</p> <p>E) The printer can print to the front and the back of the page</p> <p>F) It's important to have a large list when buying new cartridges</p>	<p>A) The cartridges contain different colors</p> <p>A color inkjet printer usually separates the colors into different print cartridges for ease of maintenance.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-need-to-save-this-list-for-later/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-need-to-save-this-list-for-later/</a></p>
<p>Why is the native resolution important on an LCD monitor?</p> <p>A) Provides the fastest response times</p> <p>B) Exhibits the best color representation</p> <p>C) Avoids any distortion of the display contents</p> <p>D) Supports larger screen sizes</p> <p>E) Reduces the power requirements</p> <p>F) Makes even the worst YouTube videos watchable</p>	<p>C) Avoids any distortion of the display contents</p> <p>The display of an LCD looks best when it's running at the native resolution of an LCD. If a non-native resolution is used, the graphics and text on the screen may appear distorted or blurry.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-if-only/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-if-only/</a></p>
<p>Why is WPA2 the preferred encryption type on wireless networks?</p> <p>A) WPA was trivial to brute force</p> <p>B) Some information was not encrypted when using WPA</p> <p>C) Cryptographic vulnerabilities were found with WEP</p> <p>D) WEP PIN codes could be easily brute forced</p> <p>E) The prior encryption certificate expired</p> <p>F) Because sequels are always better</p>	<p>C) Cryptographic vulnerabilities were found with WEP</p> <p>After cryptographic vulnerabilities were found in WEP, we quickly moved to WPA using existing hardware and then to WPA2 once the standard was finalized. WPA2 remains the preferred encryption standard on wireless networks.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-thats-always-true/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-im-not-sure-thats-always-true/</a></p>
<p>Why would you delete all of the restore points when removing malware?</p> <p>A) The restore points don't contain any useful information</p> <p>B) Malware can't operate when restore points are present on the system</p> <p>C) All user files and documents must be deleted</p> <p>D) Restore points are original entry point for the malware</p> <p>E) The restore points may be infected with the malware</p> <p>F) I need the drive space</p>	<p>E) The restore points may be infected with the malware</p> <p>Malware is written to not only infect the current running operating system, but many malware variants will also infect the stored restore points. If you try to remove the malware by restoring from a previous restore point, you'll still have an infected system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-too-many-vacation-pictures/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-too-many-vacation-pictures/</a></p>

<p>With which of the following would you be most likely to use a Centronics connector?</p> <p>A) Network connections between switches</p> <p>B) Older mouse and keyboard connections</p> <p>C) Between a computer and printer</p> <p>D) Analog display connection</p> <p>E) Between a computer and a musical instrument</p> <p>F) It takes a long time to untangle these cables</p>	<p>C) Between a computer and printer</p> <p>A Centronics connector is commonly seen on older printers that are not equipped with USB connections. The Centronics connector is on the printer, and a DB-25 parallel port is used to connect to the computer.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-why-they-make-chain-saws/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-why-they-make-chain-saws/</a></p>
<p>You are concerned that one of the network links between your device and a server is not communicating. Which of these would be the best way to determine where the communication path is failing?</p> <p>A) ping</p> <p>B) netstat</p> <p>C) nslookup</p> <p>D) netdom</p> <p>E) tracert</p> <p>F) Check all of the tubes in the basement</p>	<p>E) tracert</p> <p>The tracert (tracert) utility will display a path that a packet takes to a destination. If part of the network is not allowing traffic to flow, the traceroute will show the last hop before the communication problem.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-one-of-them-must-be-leaking/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-one-of-them-must-be-leaking/</a></p>
<p>You are connecting to an LCD projector for a presentation in a conference room, but the laptop display is not appearing on the projector. Which of these would be the best next troubleshooting step?</p> <p>A) Update the laptop's video driver</p> <p>B) Modify the video output interface in the BIOS</p> <p>C) Use the Fn key to toggle between video outputs</p> <p>D) Modify the registry setting for video output options</p> <p>E) Restart the LCD projector</p> <p>F) Brush up on your shadow puppeteering</p>	<p>C) Use the Fn key to toggle between video outputs</p> <p>Most laptop computers will have a function (Fn) key that will toggle the video output between the internal LCD panel, the external video interface, or both simultaneously.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-either-a-rabbit-or-bowl-of-fruit/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-either-a-rabbit-or-bowl-of-fruit/</a></p>
<p>You believe that an app on your mobile device may be using the camera without your permission. Which of these would be the best way to troubleshoot this issue?</p> <p>A) Remove all Bluetooth pairings</p> <p>B) Run an anti-malware scan</p> <p>C) Reset the GPS radio</p> <p>D) Connect to cloud-based storage</p> <p>E) Check the results of a cell-tower analyzer</p> <p>F) Make sure your shirts are well ironed</p>	<p>B) Run an anti-malware scan</p> <p>An app that uses phone resources without permission would be categorized as malware. A quick anti-malware scan can help identify any rogue apps, and research into your loaded apps may be in order. Ultimately, a factory refresh may be the best course of action.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-always-keep-your-phone-on-your-best-side/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-always-keep-your-phone-on-your-best-side/</a></p>
<p>You have accidentally deleted a spreadsheet on your Mac OS workstation. Which of these would be the best way to restore it?</p> <p>A) Disk Utility</p> <p>B) apt-get</p> <p>C) Time Machine</p> <p>D) Backup and Restore</p> <p>E) yum</p> <p>F) I hope there weren't a lot of long formulas in there</p>	<p>C) Time Machine</p> <p>Time Machine is Apple's integrated system backup utility. If Time Machine is enabled, all of the workstation's files are periodically saved and can be restored from any timestamp that may be available in the backup.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-going-to-be-a-lot-of-typing/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-thats-going-to-be-a-lot-of-typing/</a></p>

<p>You have a laptop that does not have an integrated Bluetooth radio. Which of these would be the best option to provide Bluetooth connectivity?</p> <p>A) Tether the laptop to your mobile phone</p> <p>B) Use a Bluetooth hotspot</p> <p>C) Install a USB to Bluetooth adapter</p> <p>D) Use a Thunderbolt to Bluetooth adapter</p> <p>E) Replace the 802.11 adapter with a Bluetooth adapter</p> <p>F) Paint the laptop blue</p>	<p>C) Install a USB to Bluetooth adapter</p> <p>A USB to Bluetooth adapter is easy to install and fits almost invisibly into an existing USB interface.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-dont-think-my-headset-is-going-to-work/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-dont-think-my-headset-is-going-to-work/</a></p>
<p>You have been given a Windows 8.1 computer that does not find an operating system when booting. Which of the following would be the best next step to troubleshoot the boot process?</p> <p>A) Run the BOOTREC /ScanOs command</p> <p>B) Reinstall the operating system from the original installation media</p> <p>C) Run the BOOTREC /FixBoot command</p> <p>D) List the disk volumes using DISKPART</p> <p>E) Perform a System Restore</p> <p>F) Ask the computer for the last place it remembers seeing the operating system</p>	<p>A) Run the BOOTREC /ScanOs command</p> <p>The /scanos option of the BOOTREC command can be used to search all disks for Windows installations. The results of the scan can be used to rebuild the BCD (Boot Configuration Data store).</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-next-to-my-car-keys/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-next-to-my-car-keys/</a></p>
<p>You just started your Windows computer, and the network taskbar icon shows "Limited or No connectivity." Which of the following would be the best next step?</p> <p>A) Restart the computer</p> <p>B) Check the local IP address configuration</p> <p>C) Ping the default gateway</p> <p>D) Check the switch VLAN configuration</p> <p>E) Check for a duplicate IP address</p> <p>F) Consider changing your mobile phone provider</p>	<p>B) Check the local IP address configuration</p> <p>If your computer is having a problem communicating to the local DHCP server, you may be assigned an Automatic Private IP Addressing (APIPA) address. An APIPA address can communicate to other local APIPA-addressed devices, but will not communicate outside of the local IP subnet</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-connectivity/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-not-that-kind-of-connectivity/</a></p>
<p>You need to configure a firewall to allow Mac OS devices to find other Mac OS services by name. Which ports should you enable in the firewall?</p> <p>A) tcp/427 and udp/427</p> <p>B) udp/137</p> <p>C) tcp/53 and udp/53</p> <p>D) tcp/548</p> <p>E) tcp/445</p> <p>F) If you allow all ports, everything works great</p>	<p>A) tcp/427 and udp/427</p> <p>Apple's Service Location Protocol uses both tcp/427 and udp/427 to populate the list of available services in the operating system.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-best-security-ever/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-best-security-ever/</a></p>
<p>You need to extend a gigabit Ethernet connection to a computer that's 200 meters from the switch. You have 100 meters of cable at the switch and 100 meters of cable at the client workstation. Which of these would be the best way to connect the workstation to the switch?</p> <p>A) Connect the cables together and run at a slower Ethernet speed</p> <p>B) Install a copper line driver between the devices</p> <p>C) Increase the power output at the switch</p> <p>D) Move the switch closer to the workstation</p> <p>E) Replace the switch with a router</p> <p>F) Install one of those cool pneumatic tubes and do everything with paper</p>	<p>B) Install a copper line driver between the devices</p> <p>Ethernet standards generally limit the length of gigabit Ethernet over copper to 100 meters. By installing a line driver in the middle of this connection, you can effectively double the standard length to support the extended distance.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-each-network-transaction-includes-a-piece-of-candy/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-each-network-transaction-includes-a-piece-of-candy/</a></p>

<p>You need to find a file that contains a customer's account number. Which of the following Linux commands would be the best choice?</p> <p>A) locate</p> <p>B) apt-get</p> <p>C) grep</p> <p>D) ls</p> <p>E) chmod</p> <p>F) It's time for more coffee</p>	<p>C) grep</p> <p>The Linux grep command (Globally search a Regular Expression and Print) is commonly used to locate files that contact a specific text string.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-only-seems_faster/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-it-only-seems_faster/</a></p>
<p>You need to install Windows on a number of devices across your network from a central server. Which of these installation methods would be the best choice for this requirement?</p> <p>A) USB flash drive</p> <p>B) DVD-ROM</p> <p>C) Bootable USB hard drive</p> <p>D) PXE</p> <p>E) Internal installation partition</p> <p>F) Time to find your skates</p>	<p>D) PXE</p> <p>A PXE (Preboot eXecution Environment), or "pixie" server, can be used to store Windows installation media on a central server and upgrade or install systems over the network without requiring any installation media on the local computer. The computer must support a PXE boot option in the system BIOS.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-latest-windows-edition-requires-head-protection/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-the-latest-windows-edition-requires-head-protection/</a></p>
<p>You need to view a Mac OS desktop located in one city from your Windows 8.1 computer in another city. Which of the following would be the best way to accomplish this?</p> <p>A) Install Windows Remote Desktop on the Mac OS computer</p> <p>B) Use a Windows virtual machine on the Mac OS</p> <p>C) Run VNC on the Windows computer</p> <p>D) Enable SMB on the Mac OS computer</p> <p>E) Use Terminal on the Mac OS computer</p> <p>F) Use a strong telescope</p>	<p>C) Run VNC on the Windows computer</p> <p>VNC (Virtual Network Computing) can be used to remotely control a Mac OS desktop from other devices and operating systems.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-helpdesk-needs-to-be-columnated/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-my-helpdesk-needs-to-be-columnated/</a></p>
<p>You're experiencing hard drive errors on your laptop computer. Which of these should be your best next troubleshooting step?</p> <p>A) Check for overheating</p> <p>B) Confirm the laptop's power supply is providing enough voltage</p> <p>C) Run a hard drive diagnostic</p> <p>D) Perform a drive backup</p> <p>E) Check for loose cables</p> <p>F) Check the price on new laptops</p>	<p>D) Perform a drive backup</p> <p>If you're ever having any issues relating to your storage device, your first step should always be to perform a full backup of the drive.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-always-over-my-budget/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-its-always-over-my-budget/</a></p>
<p>You're troubleshooting a remote server connectivity issue, and you need to know the IP address associated with the remote server hostname. Which of the following would be the best way to obtain this information?</p> <p>A) NET VIEW</p> <p>B) NETDOM</p> <p>C) NSLOOKUP</p> <p>D) NETSTAT</p> <p>E) NET IPCONFIG</p> <p>F) Google it</p>	<p>C) NSLOOKUP</p> <p>NSLOOKUP allows you to query a name server to view the name or IP address associated with a device.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-turns-out-that-isnt-always-the-best-answer/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-turns-out-that-isnt-always-the-best-answer/</a></p>

<p>Your laptop has stopped responding to any keyboard or mouse input, and the screen does not show any activity. The battery in your laptop is not removable. Which of these would be the best next troubleshooting step?</p> <p>A) Connect a power source to your laptop</p> <p>B) Insert the Windows installation media into your DVD-ROM reader</p> <p>C) Let the battery discharge, connect to a power source, and restart</p> <p>D) Wait for the watchdog service to automatically restart the system</p> <p>E) Hold down the power button until the device restarts</p> <p>F) Dance off!</p>	<p>E) Hold down the power button until the device restarts</p> <p>On many laptops, holding down the power button for a few seconds will perform a hardware reset of the device.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-lost-again/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-lost-again/</a></p>
<p>Your Windows 7 workstation needs to run an application that was written for an earlier version of Windows. The program will install, but it crashes when launched. Which of these would be the best way to troubleshoot this issue?</p> <p>A) Change the file associations for the application</p> <p>B) Run the application as Administrator</p> <p>C) Reinstall the application</p> <p>D) Change the compatibility mode setting</p> <p>E) Enable the application's execute bit</p> <p>F) Get an old laptop, some duct tape, and a jumper cable</p>	<p>D) Change the compatibility mode setting</p> <p>The Compatibility tab of an application allows you to run an application in a compatibility mode that will act like a previous version of Windows. Although this isn't always a perfect solution, it can often get around minor application incompatibilities when newer operating systems are used.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-works-for-almost-anything/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-works-for-almost-anything/</a></p>
<p>Your Windows 8.1 computer is configured to obtain an IP address automatically. Which of the following would occur if the automatic assignment process was not working?</p> <p>A) The IP address would be set to 0.0.0.0</p> <p>B) The Ethernet adapter would be automatically disabled by the operating system</p> <p>C) The last known good IP address would be used</p> <p>D) A link-local address would be assigned</p> <p>E) An address will be assigned based on the existing local IP subnet</p> <p>F) I would think the phone would be ringing</p>	<p>D) A link-local address would be assigned</p> <p>If your computer is configured to obtain an IP address through DHCP and a DHCP server does not respond, then Windows will assign an APIPA (Automatic Private IP Addressing) address.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ive-set-my-do-not-disturb/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ive-set-my-do-not-disturb/</a></p>
<p>You suspect that a mobile application is using more CPU and network than usual. Which of these would be the best way to check the app for any security issues?</p> <p>A) Start the app in debug mode</p> <p>B) Check the app in an online App scanner</p> <p>C) Connect to a local wireless network instead of the cellular network</p> <p>D) Restart the app in sandbox mode</p> <p>E) Restart the mobile device</p> <p>F) My abacas app is still working</p>	<p>B) Check the app in an online App scanner</p> <p>An app scanner can check the validity of an application against historical tests and scans. If someone else has already determined that this app is a security concern, you can view these results in the app scanner.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-send-you-a-can-and-string/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-ill-send-you-a-can-and-string/</a></p>
<p>You suspect that one of your router interfaces is not working properly. Which of these tools would be the best choice for troubleshooting the problem?</p> <p>A) Cable tester</p> <p>B) Toner probe</p> <p>C) Punch-down tool</p> <p>D) Cable crimper</p> <p>E) Loopback plug</p> <p>F) Some stronger coffee</p>	<p>E) Loopback plug</p> <p>A loopback plug will send all transmitted data back into the original interface that transmitted the data. This allows you to compare what was sent with what was received and determine if there are any problems with the physical interface.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-no-im-awake-really/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-no-im-awake-really/</a></p>

<p>You suspect that the network interface on a workstation may be faulty. Which of the following would be the best tool to help with the troubleshooting of this interface?</p> <p>A) Toner probe</p> <p>B) Punch-down tool</p> <p>C) Cable tester</p> <p>D) Spectrum analyzer</p> <p>E) Loopback plug</p> <p>F) Bright light and a magnifying glass</p>	<p>E) Loopback plug</p> <p>A loopback plug is commonly used to troubleshoot a physical interface. Data is sent out the interface, looped back into the receive pins, and the results are compared. If everything matches, the interface is considered to be working properly.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-still-not-quite-seeing-it/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-still-not-quite-seeing-it/</a></p>
<p>You suspect that your hard drive may have a bad sector. Which of the following would be the best way to troubleshoot this issue?</p> <p>A) SCANSEC</p> <p>B) BOOTREC</p> <p>C) CHKDSK</p> <p>D) DEFRAG</p> <p>E) FORMAT</p> <p>F) Listen for any clicking noises</p>	<p>C) CHKDSK</p> <p>The CHKDSK (Check Disk) command will examine your file system for any logical errors, and the /r option will include a sector scan to locate any bad sectors and recover any readable information.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-there-are-playing-cards-in-my-cooling-fans/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-i-think-there-are-playing-cards-in-my-cooling-fans/</a></p>
<p>You've been asked to install a CPU onto a new motherboard, and you notice that the bottom of the square-shaped CPU is completely flat and all of the contact pins are on the motherboard. What type of CPU socket is on the motherboard?</p> <p>A) PGA</p> <p>B) ZIF</p> <p>C) LGA</p> <p>D) DIMM</p> <p>E) Slot</p> <p>F) Lego</p>	<p>C) LGA</p> <p>The LGA (Land Grid Array) socket is a common connection for modern CPUs. The CPU itself doesn't have any pins that could be possibly damaged, and all of the contact pins are located on the motherboard socket.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-these-dont-click-together-like-i-remember/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-these-dont-click-together-like-i-remember/</a></p>
<p>You've forgotten your unlock pattern on your Android phone, and now the phone is locked down. Which of these would be the best way to recover from this lockout?</p> <p>A) Perform a factory reset and restore your data</p> <p>B) Use debug mode to access the phone's file system</p> <p>C) Move the phone to a known-good wireless network</p> <p>D) Unlock the phone with your Google credentials</p> <p>E) Have your mobile phone company perform a remote reset</p> <p>F) Maybe it's time to go outside and walk around</p>	<p>D) Unlock the phone with your Google credentials</p> <p>If you are locked out of you Android phone after too many unsuccessful screen unlock attempts, you can restore access to the device by using your Google username and password.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-look-a-tree/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-look-a-tree/</a></p>
<p>You've just installed Linux as dual-boot on your Windows 8.1 computer, but now Windows does not appear as an option when you start your computer. Which of these would be the best way to resolve this issue?</p> <p>A) Reinstall Windows from the original installation media</p> <p>B) Create a new partition and install Linux again</p> <p>C) Run Startup Repair from the Windows recovery environment</p> <p>D) Update the system BIOS</p> <p>E) Restore the Windows partition from a known-good backup</p> <p>F) Recreate all of your data files from memory</p>	<p>C) Run Startup Repair from the Windows recovery environment</p> <p>The Windows Recovery Environment provides a number of utilities and options to get your system back up and running again. The Startup Repair option can resolve many issues associated with the Windows startup process, and the Command Prompt allows you to run many utilities from the command line. The Windows information is still on your drive, so updating the boot sector should provide you with access to Windows again.</p> <p><a href="http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-like-a-steel-trap/">http://www.professormesser.com/free-a-plus-training/a-plus-pop-quizzes/a-pop-quiz-like-a-steel-trap/</a></p>

You've made a change to your video driver configuration, and now the screen is blank when you start your computer. Which of these would be the best way to troubleshoot this issue?

- A) Change the monitor's input selection
- B) Reseat the video adapter
- C) Replace the monitor with known-good monitor
- D) Press F8 when booting and start in VGA mode
- E) Check the video cable pins
- F) Maybe you can do everything on your phone

D) Press F8 when booting and start in VGA mode

The built-in Windows VGA mode provides a generic video output when an incompatibility exists between the video adapter and your monitor.

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You've ordered a part for a user's faulty laptop, but you've been notified that the part is on backorder and will be delayed for two weeks. Which of these would be the best next step in the repair process?

- A) Update your calendar to remind you in two weeks
- B) Put the laptop aside for two weeks
- C) Run hardware diagnostics on the laptop during the downtime
- D) Contact the user and let them know about the delay
- E) Add a sticky note to the laptop with the updated delivery date
- F) Vacation for two weeks

D) Contact the user and let them know about the delay

Even when there's not much to report, it's still useful to keep the lines of communication open. If you're a user waiting for a repair, setting the proper expectations for the repair timeframe can avoid many frustrations later.

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You've received an alert showing that one drive in your RAID 1 array has failed. Which of the following would be the best way to resolve this alert?

- A) Replace the bad drive and restore from backup
- B) Replace all drives in the array and resync the array
- C) Replace the bad drive and resync the array
- D) Convert the array to RAID 0 and replace the drive
- E) Replace all drives in the array and restore from backup
- F) Turn off your notifications

C) Replace the bad drive and resync the array

RAID 1 is also known as mirroring because each physical drive is duplicated in the array. If a single drive fails, the array continues to operate normally. To restore the redundancy in the array, you would replace the bad drive and resynchronize the array.

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You've started the Windows Disk Management utility, and one of your storage drives is marked as "Healthy (At Risk)." Which of these would best describe this label?

- A) The drive is working normally
- B) The drive has failed
- C) One of the drives in a RAID array has failed
- D) The drive has experience I/O errors and may be failing
- E) The drive has not completed its startup process
- F) The drive needs to lose a few pounds

D) The drive has experience I/O errors and may be failing

A normal working drive is usually labeled as "Healthy." A drive marked as "Healthy (At Risk)" has had input/output errors, and this indicates that the drive has had problems reading or writing information and may be failing.

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