1. Which one of the following statements about Linux distributions is true?

`1 point`

- ○ Every Linux distribution is based on the Bash kernel.
- ○ There are only three types of Linux distribution: core, desktop, and server.
- ○ Red Hat Enterprise Linux is the largest community-run distro.
- ● Debian is stable, reliable, and fully open source.

2. Which layer of the Linux system contains system daemons and shells?

`1 point`

- ○ Operating system
- ○ Kernel
- ● Application
- ○ Hardware

3. Which layer of the Linux system assigns software to users, helps detect errors, and performs file management tasks?

`1 point`

- ● Operating system
- ○ Application
- ○ Kernel
- ○ Hardware

4. Which layer of the Linux system is responsible for memory management, process management, device driver management, system calls and security?

`1 point`

- ○ Hardware
- ○ Operating system
- ○ Application
- ● Kernel

5. Which of the following is a standard directory in the Linux filesystem?

`1 point`

- ● bin
- ○ reboot
- ○ launch
- ○ load

6. Which of the following is a GUI-based text editor?

`1 point`

- ○ GNU nano
- ○ vi
- ● gedit
- ○ Vim

7. Which of the following path helps you navigate to the user's home directory?

1 point

- ○ \home
- ● ~
- ○ \myhome
- ○ \

8. Complete the following. Packages are:

1 point

- ○ Kernels
- ○ Backups
- ● Archive files
- ○ Text editors

9. Which command can you use to convert package files between deb and RPM formats?

1 point

- ● alien
- ○ apt
- ○ yum
- ○ update

10. Complete the following. An advantage of using a GUI-based package manager such as PackageKit is that:

1 point

- ○ It automatically installs new software packages.
- ○ It works on deb- and RPM-based Linux.
- ○ It automatically checks for updates at configurable intervals.
- ● It always installs all available updates, so users cannot opt to only install specific updates.