

1. Fill in the blank: A \_\_\_\_ is a network that spans a large geographic area, like a city, state, or country. 1 / 1 point
- ☐ LAN
- ☐ Cloud
- ☒ WAN
- ☐ Modem
- ✓ Correct
2. A \_\_\_\_ broadcasts information to every device on the network. 1 / 1 point
- ☐ switch
- ☐ router
- ☒ hub
- ☐ modem
- ✓ Correct
3. Which of the following statements accurately describe switches? Select all that apply. 1 / 1 point
- ☒ When a switch receives a data packet, it reads the MAC address of the destination device and maps it to a port.
- ✓ Correct
- ☒ A switch is a device that makes connections between specific devices on a network by sending and receiving data between them.
- ✓ Correct
- ☒ Some benefits to switches are effective control of traffic flow and improved network performance.
- ✓ Correct
- ☐ Switches are less secure than hubs.
4. What are some of the benefits cloud service providers (CSPs) offer security professionals? Select all that apply. 1 / 1 point
- ☒ CSPs provide business analytics to monitor web traffic and sales.
- ✓ Correct
- ☒ CSPs can save an organization money by offering processing power that is only paid for as needed.
- ✓ Correct
- ☐ CSP servers, applications, and network services are hosted on local physical devices.
- ☒ CSPs offer online services and web applications that can be accessed from any location.
- ✓ Correct
5. What is the purpose of the footer of a data packet? 1 / 1 point
- ☐ To identify the message to be transmitted to the receiving device
- ☐ To show the MAC address of the destination device
- ☒ To signal to the receiving device that the packet is finished
- ☐ To contain the source IP address
- ✓ Correct

6. What are two benefits of cloud computing and software defined networks (SDNs)? Select two answers. 1 / 1 point

- ☐ Increased attack surface
- ☒ Increased scalability

✔ Correct

- ☒ Decreased cost

✔ Correct

- ☐ Decreased reliability

7. Which one of the following port numbers is used for email traffic? 0 / 1 point

- ☐ 25
- ☒ 20
- ☐ 443
- ☐ 23

✘ Incorrect  
Please review [the video about the TCP/IP model.](#) ↗

8. Which layer in the TCP/IP model is used to inspect the flow of traffic across a network? 1 / 1 point

- ☐ Layer 1, network access
- ☐ Layer 2, internet
- ☒ Layer 3, transport
- ☐ Layer 4, application

✔ Correct

9. Which of the following addresses is an accurate IPv4 address? 1 / 1 point

- ☐ 1001.2345.3234.5678
- ☒ 192.168.0.2
- ☐ 100.234.56.1.3
- ☐ 129.168.10.25678.1

✔ Correct

10. Fill in the blank: fe80::ab12:cd34:ef56:0023:2345 is an example of an accurate \_\_\_\_ address. 1 / 1 point

- ☐ MAC
- ☐ IPv4
- ☐ Ethernet
- ☒ IPv6

✔ Correct