1. (1 point) True/False: `iptables` is stateful.

2. (1 point) What is the difference in functionality and overhead between stateful and stateless firewalls?

3. (1 point) True/False: a SOCKS server is a type of proxy server

4. (1 point) True/False: an HTTP proxy server is a type of SOCKS server

5. (1 point) Explain the difference between how `rpm` `-Va` works versus how TripWire works.

6. (1 point) True/False: if you have a personal firewall, then you don’t need to also have a separate, standalone firewall.

7. (1 point) True/False: if you have a separate, standalone firewall, then you don’t need to also have a personal firewall.

8. (1 point) How does blocking an incoming, initial SYN on a firewall increase security slightly?

9. (1 point) Assume that you are working for a company as a system administrator, and your boss asks you to run `10phtcrack` on your domain controller. In a sentence or two, explain your response.
10. (1 point) True/False: using a foreign language word for a password is a good idea.

11. (1 point) Explain the difference between a brute force attack and a dictionary attack on passwords.

12. (1 point) Explain blacklisting with respect to firewalls.

13. (1 point) Explain whitelisting with respect to firewalls.

14. (1 point) True/False: the specification says that closed ports are required to respond to a SYN with a RST if the port is not open, and Windows follows that specification.

15. (1 point) According to the specification, an unexpected message to an open connection should receive a RST. Carefully explain how you would design an experiment to test this.

16. (1 point) True/False: According to the specification, a UDP packet sent to a closed port gets an HTTP port unreachable message.

17. (1 point) What is a bastion host?