

## Network Security – Threats

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Define the following terms in your own words.
  - a. Threat
  - b. Attack
  - c. Vulnerability
  - d. Risk
  - e. Attacker
  - f. Defender
  
2. Describe how these network security policies help protect the organization.
  - a. A strong password policy
  - b. A regular backup policy
  - c. A proactive hardware maintenance policy
  - d. An inspection program that finds vulnerabilities in the network
  
3. Describe the three critical elements of network security?
  - a. Prevention
  - b. Detection
  - c. Response
  
4. Explain the difference between Internal versus External threats.

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5. What are the motivation to penetrate network security internally?
6. What are the motivation to penetrate network security externally?
7. What are the five foundation concepts for security?
  - a. Confidentiality and Privacy
  - b. Authentication
  - c. Authorization and Access Control
  - d. Integrity
  - e. Nonrepudiation
8. How are the effects of the breeches in security reduced?
  - a. Compartmentalize
  - b. Secure Fail
  - c. Defense-in-Depth
  - d. Security-by-Obscurity
  - e. Security and Usability
9. What certifications would be valuable for an individual wanting to protect a computer network?