**Respond to the following questions and post your response to Canvas.**

**Cryptography**

1. What is hashing? What are two common uses of hashing?

2. What is the main difference between Symmetric-key and Public-key cryptography?

3. Describe two basic types of ciphers.

4. Describe three different cryptanalytic attacks.

5. Decrypt this. BNNJM://REWX.WIG/538/

**Malware**

6. What are some motivations for creating and deploying malware?

7. What is spear phishing? Give an example of a spear phishing attack.

8. What are some mechanisms employed by malware for exfiltrating data?

9. What are indicators? How can you use them to detect or block malicious traffic on a network?

10. What is obfuscation? How does it apply to malware?