**Learning Objective:** The objective of this assignment is to apply the concepts learned related to the Network Security.

**Homework Assignment #1 Deadline: H**omework assignment #1 is due **before** **midnight on** **July 3, 2018**.

**Homework Assignment Instructions:** Record your name and answer the questions listed on pages 2 thru 3. Once the assignment is completed, submit the assignment on Blackboard.

**Homework Assignment Submission:** Homework assignment #2 must be submitted using **Blackboard’s** **Assignment Feature**

One of the many elements that is critical to the successful operation of a network is network security. In this assignment, you are required to give not only definition but examples of how this terminology is used as part of network security.

1. What is Social Engineering? Give an example of a hacker uses Social Engineering.
2. What is a Phishing attack? How does a Phishing attack work?
3. What is the difference between Intrusion Detection System and Intrusion Protection System? Which system is the most current used in the industry?
4. What is a Dictionary Password Attack? What is a Brute Force Password attack? How are they different?
5. How does a Man-in-the-Middle attack work? What is a Packet Snipper? Give an example of Packet Snipper?
6. What is a hacker? There are three types of hackers, White, Gray and Black. How are they different from each other?
7. What is a Denial of Service attack? How is it different from Distributive Denial of Service attack?
8. What is virus? How do hacker use viruses to affect your PC?
9. What is a worm? How is it different from a virus?
10. What is a Trojan horse?