Name:

Information Assurance: Homework 1

Due September 2, 2009 on compass.

1. What do you hope to get out of this class?
2. What are the top three topics you hope are covered in this class?
3. What programming languages and operating systems are you comfortable working with?
4. How familiar are you with IP networking? Choose the most appropriate.
   a) I can recite the seven layers of the OSI network model.
   b) I am familiar with the differences between IP, TCP, and HTTP.
   c) I have used sockets to create a networking application.
   d) I have used a network.
5. Ensure that you can access the various communication mechanisms used in class
   a) Access the cs461 newsgroup
   b) Enter the cs461 jabber chat room
   c) Access the c461 compass page
6. Classify each of the following as a violation of confidentiality, integrity, availability, or some combination:
   a) Alice uses Bob's bus pass.
   b) Charles installs a game that includes some malware
   c) Dave learns Ed's ATM pin.
   d) Fran steals George's car.
   e) Hank's latest browser upgrade causes his laptop to crash.
7. Give an example of a situation in which a compromise of confidentiality leads to a compromise in integrity.
8. Describe a computer security failure you read about recently in the news. What classes of threats were involved in the attach? Disclosure, deception, disruption, usurpation?