

Name:

Information Assurance: Homework 1

Due January 22, 2008 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. Name three computer controls you use or encounter. What vulnerabilities are they protecting?
6. Consider a program to accept and tabulate votes in an election. Who might want to attack the program? What types of harm might they want to cause? What kinds of vulnerabilities might they exploit to cause harm?
7. Describe a computer security failure you read about recently in the news. What major security component(s) was violated in this attack? Confidentiality, availability, or integrity?