# Post-Study Questionnaire

## Technical Questions:

**1) If you are trying to gain unauthorized access over a network to a remote system, which of the following would you do first?**

a. Identify open ports and running processes on the remote system

b. Launch a denial of service attack to try and disrupt the system

c. Search online for vulnerabilities in their running processes

d. Use a buffer overflow attack to gain access

**2) What are two different useful tools for scanning remote systems?**

_____ _____

**3) Circle all the things you CANNOT learn when scanning a remote system.**

a. The passwords of some of the users

b. If the system is "alive," or running and connected to the network

c. Which ports are open on the target system

d. What operating system is running on the system

**4) Name two different types of vulnerabilities that can be created by programming mistakes.**

_____ _____

**5) Which of the following are typical effects of a buffer overflow? Circle ALL that apply.**

a. Segmentation fault

b. Computer crash

c. Executing arbitrary code

d. Over-writing memory

e. Shutdown ports

**6) What can typically be accomplished using format string parameters? Circle ALL that apply.**

a. Read from memory

b. Write to memory

c. Shutdown ports

d. Computer crash

**7) What is a good indication that a program might contain a format string vulnerability?**

a. Text that the user entered is printed verbatim to the screen

b. The user can input a very large string

c. The program takes several command line arguments

d. The program responds differently based on the user's input

**Ratings:**

**1) Compare learning from a self-contained, game atmosphere to learning from a book or paper. The game atmosphere is:**

Much Worse Somewhat Worse About the Same Somewhat Better Much Better

**2) How much do you feel you learned?**

Not at all A Little Some Very Much

**3) How interested are you in playing more CounterMeasures or more of a similar type of security game?**

Not Interested Somewhat Disinterested Neutral Somewhat Interested Interested

**4) How interested are you in security after playing?**

Not Interested Somewhat Interested Interested Very Interested

**5) Do you plan to pursue opportunities to learn about security after playing?**

No Maybe Yes

**6) How much did you enjoy CounterMeasures?**

Not at all A Little Some A Lot

**7) What would you improve/change about CounterMeasures?**

**8) What were the most useful features/parts of CounterMeasures?**