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CSCE 522

Homework 1

1. Distinguish between vulnerability, threat, and control

- Vulnerability
 - A vulnerability is a weakness in security for a computer program that can be exploited.
- Threat
 - A threat is a potential cause of harm, may it be an individual, or an organization.
- Control
 - A control is a method to counter the threats from causing harm.

4. List at least three kinds of damage a company could suffer when the integrity of a program

or company data is compromised.

1.Assets such as financial information in the form of credit card numbers could be stolen.

2.The public image of the company could be tarnished due to bad press about faulty computer systems security.

3.Productivity of a company may falter if a denial of service attack or similar attack causes services to become unavailable.

9. On your personal computer, who can install programs? Who can change operating system

data? Who can replace portions of the operating system? Can any of these actions be performed remotely?

Only I am able to install programs onto my computer as they require a password to install. Same with the Operating system data, only I should be able to change this data. None of these actions should be able to be performed remotely, unless there was some malicious code on mt PC that I am not aware of.