

Homework 2

PROBLEM [:

#1] Write a one-paragraph objective summary of the main ideas in Chapter 1.

SOLUTION:

Assets of a computer system are hardware, software, data and communication lines. These assets are vulnerable to attacks in different ways depending on how the assets are threatened. Consequences of threats could be unauthorized disclosure of information, authorized entity gets false data and believes it is true, disruption of correct system services or control of system services passed to an unauthorized entity. Threats can be prevented by use of countermeasures. The best way to protect a system is to have a strategy. This strategy consists of a policy for what the plan is supposed to do, how the strategy is implemented, and assurance for if the plan will work.

PROBLEM [:

#2] Compare and contrast the different approaches to characterizing computer security in Sections 1.3 and 1.4.

SOLUTION:

Section 1.3 is functional requirements that a system should address in order to provide the proper level of security for federal information. Where section 1.4 lists fundamental security design principles that limit what users can access based on the minimum required for the user to work.