

## Sample Midterm

1. Why is a precise statement of security requirements critical to the determination of whether a given system is secure?
2. Please label the following as a “policy” or a “mechanism”:
  - a. Only students may use the system.
  - b. A program that checks that the user enters the correct password.
  - c. Systems can be connected to the Internet on alternate Thursdays only.
  - d. An access control list.
3. Encipher the message IT IS A BOY OR A GIRL using a Vigenère cipher with key ABCDE.
4. Define each of the following terms in one short sentence:
  - a. public key cryptosystem
  - b. certificate
  - c. ciphertext
  - d. confidentiality
  - e. biometrics