RFID INFOSEC Homework #2, ver. 1.0  
Assigned Sep. 15 and Due Sep. 22, 2010

Name: ________________________________

ID: ________________________________

32 pts.

Show all your work. Without proper justification and details of steps, correct answers alone may not carry full credit.

Notes:
- Minus 3 points if your homework is not stapled in the upper left-hand corner.
- Minus 2 points if you use the back of your paper. Please only use a single side.
- Minus 2 points if you present the worked problems out of order. In other words, please present the problems in the order assigned, 1, 2, 3, ...

1. Describe why businesses want to see contactless payments. (2 pts.)

2. Describe how consumers want their gathered information to be handled. (2 pts.)

3. Suppose we embed an RFID tag in a cell phone for purchasing items from a vending machine. Describe a plausible mitigation technique to prevent an attacker from stealing the phone and using it to purchase items. (10 pts.)

4. Describe the four top privacy threats by RFID. (8 pts.)

5. Describe the five principles of privacy. (5 pts.)

6. Describe the Alan F. Westin’s privacy classification of individuals. (5 pts.)