

Quiz 1

Mon Feb 1

You have up to 20 minutes. You may use a standard calculator, but no text book or notes.

1. Suppose we have the digits **125**, written using base **six**. What quantity does that represent, expressed in base **ten**? (4 points)

2. Convert the following unsigned binary numbers into base ten. (6 points)

a. 11100 _____

b. 111 _____

c. 11010 _____

d. 11001 _____

3. Convert the following base ten numbers into binary. (6 points)

a. 12 _____

b. 17 _____

c. 31 _____

d. 40 _____

4. Convert the hexadecimal number 2D3 to binary. (2 points)

5. Convert the octal number 716 to binary. (2 points)
