

September 4th, 2012 2612 – Digital Design – Quiz 1 – 10 points; 10 min.

Name _____

1. A nibble is a data type that is 4 bits wide. Fill in the table below with the 16 possible bit combinations for a nibble. Then insert its hexadecimal (single digit) representation of the 4 bits (5 points):

[illegible]

2. Convert the following (3 points):
- a) to hexadecimal 8'b10101111 = _____
 - b) to decimal 8'b01000010 = _____
 - c) to binary 8'h5E = _____
3. Using the ASCII table shown on the screen, convert the following hexadecimal code to its ASCII symbol (2 points):

[illegible]