

DUE: Wednesday, September 25

1. Convert the following binary numbers to decimal numbers:
a) 101101 b) 11101010 c) 1000000000
 2. Convert the following decimal numbers to binary numbers:
a) 201 b) 4013 c) 65335
 3. How many binary digits are required to represent the following decimal numbers?
a) 17 b) 254 c) 9999
 4. Convert the following binary numbers to hexadecimal numbers:
a) 101101011111 b) 101101101 c) 111111111111
 5. Convert the following hexadecimal numbers to decimal:
a) E b) 5A c) FFFF
 6. Textbook problem 5.3
- **Staple this assignment sheet** to the front of your solutions, which are to be done in accordance with the school of engineering homework guidelines posted on the course web page.