

Quiz 2

Wed Sep 28

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

- (4 points) Suppose we have the digits **154**, written using base **six**. What quantity does that represent, expressed in base **ten**?
- (4 points) Convert the following base ten numbers into binary. Use as many bits as you need.
 - 12 _____
 - 17 _____
 - 41 _____
 - 31 _____
- (4 points) Convert the following 5-bit **signed two's complement** binary numbers into base ten. **Hint**: 'signed' means the results can be negative!
 - 11100 _____
 - 00111 _____
 - 11110 _____
 - 11001 _____
- (4 points) Convert the hexadecimal number 2D3 to binary.

- (4 points) Convert this binary number to octal: 1 1 1 0 0 1 1 1 0 1
