Quiz 1
Jan 14, 2016
Computer Engineering 80N

Left Neighbor: _____   Right Neighbor: _____

Keep this side up on your desk until you are told to turn the page over.

This is a closed book quiz. No calculators. You can use the front for scratch paper.

First Name		Last Name

CE 80N Quiz 1, Jan 14, 2016

1. (30 points) Fill in the missing values in the tables below.

Decimal	8-bit Binary	Hexadecimal
123		
194		
205		
	01100011	
	01101011	
	11100100	
		0x44
		0xFB
		0x4D

2. (12 points) Fill in the missing values in the tables below.

4-bit binary number	00110101	00110101	00110101	00110101
4-bit mask	11111000	10000000	11111111	11110000
Bitwise AND of the above two				

3. (8 points) The following bytes are transmitted over a cable. What should the value of the parity bit be, if it has **_EVEN_** parity?

Byte Value	Parity Bit
00110010	
11110000	
10101010	
11000001	