

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
22		
235		
127		
	00111010	
	00111001	
	10011100	
		0x2A
		0x23
		0xAA

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

4-bit binary number	10010011	10010011	10010011	10010011
4-bit mask	11000000	11111111	11100000	11111000
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 ODD parity?

Byte Value	Parity Bit
10101010	
00110010	
11111111	
11110000	