Name:
CS100 Signed and Floating point numbers.
Section 1
 a. Convert the following numbers from signed decimal (Base 10) to signed 8-bit binary(Base 2) using 2's complement 127
400
-128
-58
-90
90
-1
b. Convert the following numbers from signed 2 bit himse, (Ress 2) to desired (Ress 10)
b. Convert the following numbers from signed 8-bit binary (Base 2) to decimal (Base 10). 11111111
10000000
00001000
01111111
11000011
11110000

	his section are SIGNED, answers are to only be 8-bits!)
a.	10001000 + 00010101
b.	11110100 + 11101000
C.	11111111 + 11111111
d.	11111111 + 00000001
Section 3	
	ne following numbers from signed decimal point numbers to 32-bit signed binarying the IEEE754 format.
2.5	
0.75	
-0.0625,	
-8.125,	
3.5	

-10.5

b. Convert the following 32-bit signed binary (Base 2) to signed decimal point numbers.

1	10000000	000000000000000000000000000000000000000
0	01111110	001000000000000000000000000000000000000
1	10000001	111000000000000000000000000000000000000
1	10000011	011000000000000000000000000000000000000
1	11111111	000000000000000000000000000000000000000
0	00000000	000000000000000000000000000000000000000