Name:		Date:	
Section:		Grade:	

3.0 Integer Representation

3.1 Instruction: Complete the table below using 8-bit signed integer representation. Write ✕ if the number cannot be represented in the specified format.

Decimal	Sign and Magnitude	1's Complement	2's Complement
47			
−103			
127			
0			
−128			
128			
	1000 0000		
		0110 0110	
			1010 0101

3.2 Instruction: Complete the table below using Two's Complement 8-bit and 16-bit signed integer representation.

Decimal	8-bit 2's Complement	16-bit 2's Complement
58		
−100		
−15		
	0101 1010	
	1100 0011	
		0000 0000 0111 1110
		1111 1111 1000 0001