



Name:

Date:

Section:

Grade:

## 2.0 Problem Set #2 - Integer Representation

2.1 Instruction: Complete the table below in 8-bit signed integer representation [12 pts]:

Decimal	Sign and Magnitude	1's Complement	2's Complement
-19			
+88			

2.2 Instruction: Perform the operations with signed numbers using 8-bit signed integer representation [12 pts]:

2.2.1 Perform the following operations in 1's Complement.

$(-25) + (-72)$	=	
$(-35) - (+68)$	=	

2.2.2 Perform the following operations in 2's Complement.

$(-57) + (+90)$	=	
$(+73) - (-127)$	=	