## Group Homework 5

## G2 - Robert Krency, Austin Pringle, Anthony Stepich

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1. Write the following numbers in 8 bit sign magnitude, one's compliment, and two's compliment.

	$\underline{\mathrm{SM}}$	1's Comp	<u>2's Comp</u>
-123	1111 1011	1000 0100	1000 0101
+87	0101 0111	0101 0111	0101 0111
-49	1011 0001	1100 1110	1100 1111
-63	1011 1111	1100 0000	1100 0001

2. Convert the following to 8bit two's complement numbers. Perform the operation. Identify if an overflow occurred or not. Convert the answer back to decimal.