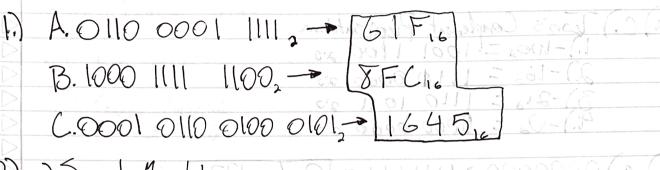
COMP 3350 Project 1



3.) a.) Signed Magnitude Prepresentation 1.)-100, 2 1110 0100 s_m 2.) -16, = 1001 0000 s_m 3.) -21, = 1001 0101 s_m 4.) -0, = 1000 0000 s_n

3.) C.) Two's Complement Prepletentation
1.)-1002 = 1001 1100 2's
2.)-162 = 1110 0000 2's
3.)-212 = 1110 1011 2'0
4.)-02 = 1000 0000 2's

4.) a.) 00000000 - 111111 = 00 to 1270

6.) 11 11 11 + 0 11 11 = [-630 to 630]

5.) [] [[000 A [[] 10 = [1000]

2. [[boo V [[t]]] 0 = [1/10]

3) [[1000 / []110] V [[1001 / []110) = 1000 V 1000 = [1000]

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1101 0111, 15 -> 1010 1000 sm -> [-40] -(32 + 7)