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Elec 2200
              Hw 3

1. 38 + 12   38 → 100110 $\overset{11}{100110}$
               12 → 001100   + 001100
                              110010_2 → 50_{10} (decimal)

2. 51 - 93   51 → 00010011
               93 → 01011101

negate 93   51   0010011
  - 1011101) Flip   + (-93) . 0100011
   0100010)   0110110$_2$ = -54
        ↓ Add 1
   1010011$_2$ (-93$_{10}$)
                          ? "Its supposed to be
                              -42 in binary

3. The lowest / most negative number would
   be 10000, which is -16.
   The higest / most positive number would
   be 11111, which is 31.