ECCS-1721 Digital Logic
Homework 2

1. Find the product of the following numbers represented in 5 bit two's complement.
   - 10*11 = 0001101110
   - -12*13 = 1101100100
   - 15*-15 = 1100011111
   - -14*-15 = 0011010010

2. Find the product of the following numbers represented in 5 bit two's complement. Make sure to pay attention to the fixed point.
   - 5*0.75 = 011.11
   - 10*(-0.75) = 1001.10
   - -12*(-0.25) = 011.00

3. Convert the following unsigned numbers to CSD:
   - 01011111011 = 11000011101 = 10100000101
   - 1001111111101000111 = 101000000101001001
   - 11100101111111101101100 = 100T0011000000T10T100T00 = 10010101000000010010010