Logan Sweet Comp Arch HW#3 -> convert to binary

- do arith matic

-> convert to define

for each : # of bits signed or uniqued integer, fixed point, floating point

1 9/10 + C616 2 Lits, unrighed, integer 91,0= 9:10+1:100=91,0

= 10110112 75:45 unrighed integer C6,6 = 12,:16,:+6::16::= 192,0:6: = 198, = 1 1000 1 102 8bits unsigned integer

+ 11000110 1001000012 9 5.41 unsigned integer

1+32= 256= 2891

2) 1/8-11,0 -> 1/8 = (-11,0) 2 bits signed integer

 $11_{8} = 1.8' \cdot 1.8' = 811 = 9_{10} = 1001_{2}$   $11_{10} = 1.10' \cdot 1.10'' = 11_{10} = 1001_{2}$ 

1001 10101

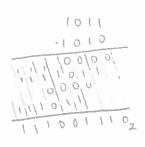
11102 4 bits signed integer

(4) 5.75, -7.125,

5.75,= 101110, 7.75,0= 1 1 1 0 0 1 2 1000 111 I4Q3

101110 111000111 11101012 I403

L'0010.0112 - 2.37510



110111.



$$9.5_{10} \cdot 2.625_{10}$$
  
 $9.5_{10} = 10011$   $0.01100_2$   $0.0100_2$