Lab # 3

#1.0+ 123457

 $= (7^{1/2}) + (7^{3/2}) + (7$

 $b + 16^{3} le^{3} le^{1} le^$

|b'|b'' $C+b + B_{16} - base 10$ = (16'x4) + (16'xB) = (16'x4) + (16'x11) = (04 + 11) $= 75_{10}$

2°) 4B16 -> base 2 = 0100 10112

#1.d+ 10110 + base 16

 $1011 \div 16 = (63(.1875 \times 16)) = 3$ $63 \div 16 = 3(.9375 \times 16) = 15$ $3 \div 16 = 6(.1875 \times 16) = 3$

 $= 3F3_{16}$ = 0011111100112 $= \frac{E}{11011102}$

= (16'×14.0)+(16°×14.0) = 224+14 = 238.0

#2 + 17,0 sur 5 bits.

24 + 2° -> 100012

#3. a+ 011012 c.a. z Sur 5 bits.

 $= 2^{3} + 2^{2} + 2^{0}$ = 8 + 4 + 1 $= 13_{10}$

 $b + 10011_2$ $= (-2^4) + (2^1) + (2^0)$ = -16 + 2 + 1 $= -13_{10}$

#H.a+ 3.15,0 + base 2

U 3.= 2'+2° - 112

li) 0,15,0= base 2 = 0,0010011001100.0. z

 0.15×2 = 0.3×2 = $0.(6 \times 2)$ = 0.4×2 = 0.8×2 = $1.(6 \times 2)$ = $1.(2 \times 2)$ = 0.4×2

= 0.8×2

 $= 1.(6 \times 2)$

= 1, (2x2)

-0.442

= 0,8 ...

C=1+1023=10a4=2=1000000000