```
4. a) 0x 0000004= 1100 0100 = 22+ 26+27=196=
  h) oxfffffe(6 = 1111 1111 1111 1111 1111 1110 1100 0110
      = 0000 0000 0000 000 0001 0011 1001 H
      = 20 + 23 +24 +25 +28 +1 =- 314
  6) OX FFFFFFF = 141 HILL HILL HILL HILL HILL HILL
                · 0000 (000 0000 0000 0000 0000 0000 +1 = -1
  5-1
  exp = 01111111 = 20 +21 +22 +23 +24 +25 +26 = 127
  Fac = 0 = -1 · 20 = -1
  Sign=0
   exp=10000011 =131-127=4
  fruc = 0010110 = 1/8+1/32+1 = 1.15625
         = 24 0 1.15625= 18.5
  EXP = 1006 6111 = 1/8+1/16 + 1/32 + 1/28+1
                                          127/2 = 63
6, a) 1, C
                                          63/2 = 31
                                          31/2=15
     Separate:
                                          15/2=7
     1= 0001
                                          7/2 = 3
     0 = 0000
       = 6001,0000=1.0 120
                                          3/2=1
  Frac = 127+0 = 01111 1111
                                          1/2 =0
             = 06111111 000 ... = 0X3 F8 GOOD
```

5) -8:25

Separate!

8=1000, 25:2 | 5 | 0

.25=01 .5:2 | 1 | 1

= 1000,1 = 1,0001:2³

exp: 127 +3=130 = 10600010

= 1100 0001 0000 00000... = 0xC104000

= 314= 100111610

,5,2/1/1

- 15 = 01
- = 100111010.01 = 10011101001.26
- = 127 +8 = 135 = 10000 111
- = 0 6000 111 00 111 010 1000 ... = 0x434 D400