EXO		
1. a) 243,125 243,12 121,1 60,1 30,0	2×16,125 0,25 0,5	11116011,001 1,1110011001 × 10 ⁷ 7+127 = 134
15 0 Î 7 1 3 1 1 1 0 1	134 2 G7 6 33 1 16 1 7	0 10000110 [1110011001000000000000]
	4 6 2 0 1 0	

```
b) 5412,15
                                 1010100100100,001001
                     2 × 0,15
    5412 12
                     01.3
                                 1,010100100100001001 x10"
     2706 0
                   0,6
     1353 0
                                      12 + 127 = 139
      676 1
                     1,2
      338 0
                     0,4
                                 1/1001001001001001001001101100001001
      1690
                     0,8
      8411
                     1,6
      420
                  139
      210
                   69
       1011
                   34
                      1
       50
                   17
       2/1
                      1
                    4 0
        1 10
c) -58,25
    58 /2
               2×0,25
                       -(111010,01) = - (1,1101001 × 105)
    29
              10,5
                         127 = 0 111 111 1
                          5 = 00000101
        0
                          10000100
                        d) -175,58
                       10101111,10010100011111010
    17513
             210,58
             1,16
                       1,010111110001010001111010 × 10 ?
     43 1
            0,32
             0,64
                       - 127 :
                              01111111
             1,28
             0,56
                              00000111
             1,12
                              10000110
             0,24
             0.48
                       1 10000110 0101111001010001111010
             0,96
             1,84
             1.68
             1 ,36
             0,72
             1,44
             0,88
```

```
arithmétique de l'oidi (R) (suite)
1.e) 182,5625
                 2 , 0,5625
      182 12
                               10110110,1001
      910
                 11,125
                               1,01101101001 × 10,
               101.25
      45 1
                           0 10000110 0 10 110 100 1000000
      221
                 0,5
       110
                             #d)
       51
       2 1
       0 1
 F) 320,05
     32012
               2 × 0.05
                          101000000,000011
     160/0.
                           1,01000000000011 ×108
     8010
                01,2.
                0,4
      43 6
                          127 = 01111111
      2007
                         1 8 = 00061000
                             10000111
      100
                 1,6
       50
                         0 10000111 01000 000 000 011001100110
       1 0
2. a/exposant : 25000300
                         00000101 = 5
             -01111111
              00000101
   mantisse: 1101 = 2"+2" = 0,5 +0,25 +0,0625 = 0,8125
        +1,8125 \times 2^{5} = 58
 b) exposant: 40000110
              -01111111
    mantisse: 00 1000 1010 = 2-3 + 2-7 + 2-9 = 0,125+0,0078125+0,001953125
                           = 0,1347G5G25
           -1,134765625 \times 2^{3} = -145.25
 c) exposant: 0111 0.111 = 2° -2'-2'-2'-25-24 = 119 -127 = -8
    mantisse: 01000111101011100001010 = 0,2800000906
           +1,2800000906 × 2 -8 = 0,005
```

d) exposant : 10001011 0111111 1100 -012 mantisse: 0-1,0 ×2'2 = -4096 C) GOIL 1011 1010 0011 1101 0111 0000 1010 3 B A 3 D 7 0 A d) 1100 0101 1000 C 5 8