	. Av
a) 101101= *******************************	1 K (10141+8+0+32 = 45
4 1.2 + 0.2 + 1.2 + 1.2	+012+114
b) 101, 101 = 2-3/+0.2	-1+1.2-1+1.2°+0.2+1.2°=1+1+4=>
=> 1+1+16+9-16 = 82 = 5,125	
16 16	
100000000000000000000000000000000000000	1 2° = 1 1 1 = 1+8+2 = 11 = 0, 887.
C) 0, 1/01: 2.1+0.2-3+1.2-3	16 9 2 16 16
5 3	2 = 1 + 1 + 1 = 1+ H+ 15 = 21 = 0, 65625
d) 0,0 1101= 1.25+1.23+1.	32 8 2 32 32
0) 110101011 = 1.24 1.2+1	1. 23+1.25+1.27+1.28= =>
) 1+2+8+3)+ 6m+ 128+ 256=4	27,0
70,1111,11101=1.241.24	$\frac{1 \cdot 2^{3} + 1 \cdot 2^{-\frac{9}{4}} + 1 \cdot 2^{-\frac{5}{4}} + 1 \cdot 2^{-\frac{9}{4}} + 1 \cdot 2^{-\frac{9}{4}} = }{1 + 4 + 8 + 16 + 32 + 64 + 128 + 256 = 0,994140625}$
1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 2 4 8 16 32 69 128 512	
9 10 10 35 07 120 312	
37=10010	b) 234512 2345=100010010100
1 18 2 6	(1) 1172[2
0 9 (2	(0) 586(2
(1) 4[2 (v) 2[2	21) [2
(0) 1	(1) 146(2 (0) 73(2
	(1)36(2
	(0) 18 (2
	(1) 812
	(0) 4/2
	0/2/2
Male I	

```
0,2916.2 = 0,4832
C) 0,1217 · 2 = 0,2434
                          0,4832.2 = 0,9664
  0,2434.2 = 0,4868
                          0,9664.2 = 1,9328
 0,4858. 2 = 0,8736
                           0,9328.2 = 1,8656
 0,9736-2=1,9472
                           0,8656.2=1,7312
 0,9472.2=1,8944
                           0,7312-2=1,4624
 0,8949.2=1,7888
                           0,4624.2 = 0,9248
 0,7898-2-1,5776
0,5776 - 2 = 1,1552
 0,1552 - 2 = 0,3104
                         0,1217:0,00011111001001111...
0,3109. 2 = 0,6208
 0,6208-2=1,246
0,4232.2.=
d) 0,125·2=0,25
                   0,(25 = 0,001
 0,25.2:0,5
   0,5.2=1,0
                              F134712
                                            347 = 101011011
Q) 0,1.2 = 200,2
                                (1) 173 [?
 0,2.2=0,4
                                  (1) 8612
 0,9.2-0,8
 0,8.2 = 1,6
 0,6.2=1,2
  0,2-2=0,4
  0,9.2=0,8
                                                 (0) 1
 0,8.2=1,6
 0,6-2=1,2
 0,1 = 0,000110011...
```

3. T=3.B=10, et-9, 4] X Andondamento Truncamento 1,25 0,125.10 0,125.10 10,053 0,101.102 0,100.102 -238.15 -01238-103 -01238.103 2,71828... 0,272.10 0,271.10 (Exposente < -4) 0,000007 (Expoente < -4) 718235,82 Expanente > 4 Expainte 74 1,25 = 0,125-10 10,053 = 0,10053 . 1020 Lo ro pade 3 digitos a expoente romoio que - 4 e naemar que 4 -238,15:-0,23815.103 2.71828... = 0,271828... × 10 4" Do Rade 3 Lighter e expaint 29 2 7 - 4 0,000007 = 0,700.600 Lo Exprente menor que - 4 718235,82=0,71823582.10 Expoents muier que 4

X=0,7237.104. p=0,2145.103; 2=0,2535.10-1 0) X+ 1+7 X+y+Z=> (0,7237.104) + (0,2145.10-3) + (0,2585.10-4) = 0,7237.104+0,000000002145.104+0,000002585.104 Valor Expendo = 0,7237028 395.104 Valor abtido = 0,7237-104 En = 0,7237.104-0,7237027995-104 0,7237.104 En = 0,027995 ≈ 3,86.10-6 7237 b/ x-y-Z=7 (0,7237.104)-(0,2145.10-3)-(0,2585.10-1) = 7237 - 0,0002145 - 0,02585 Volor Emercito = 7236,3739355 don_ Obtido = 7236 + 0,7236.604 En = 17236-7236, 9739355 ~ 0, 6001345 C) X/Z = (0,7237 - 109)/(0,2585 - 10-1 Voler experado = 279.961,31528 Valor - altito = 279. 900 = 0,2799 (06 En= 273.900 - 279.961,31528 = 2,19.604 (x·y)=(0,7237·104)·(0,2195·63) Valor - experiede = 60,0517021276 Valor - alitido = 60,05 > 0,6005.10 Eno Relativo = 60,05-60,0517021276 = 2,83-105

$$\frac{1}{2} \times \frac{1}{2} = 0.7237.00. \left[\frac{0.2143.00}{0.2585.00^{-1}} \right]$$

$$\frac{1}{2} \times \frac{1}{2} = 0.7237.00. \left[\frac{0.2143.00}{0.2585.00. 0.00. 0.00} \right]$$

$$\frac{1}{2} \times \frac{1}{2} = 0.7237.00. \left[\frac{0.2143.00}{0.2585.00} \right]$$

5. x = 1.37; $y = x^3 - 7x^2 + 8x - 0.35$ $y = 1.37^3 - 7$, $1.37^2 + 8 \cdot 1.37 - 0.35$ Valor_experied = 0,043055 4=2,57-13,1+10,9-0,35 M=-10,5+10,9-0,35 4 = 0,4 - 0,35 y = 0,05 7 Volor_aletito ER = 0,05-0,043055 = 0,006945 = 0,1389 × 100 = 13,89 % 6. Valor_esperido = 0,043055 y=((X-7)x+8)x-0,35 X=1,37 M= ((1,37-7)-1,37+8)-1,37-0,35 y= (\$5,03.1,37+8).(37-0,35 y=1-7,71+8)-1,37-0,35% y=10,286.1,37-0,35 y=0,391-0,35 y=0,041 ER= 0,041-0,043055/= 0,0501×(00= 5,01%) * O que pademons perceber e que a farmula 6 apresenta um emo relativo menas do que a du grentios Logo, re gueremos tes uma representação melhos é rivel utilizar a expressão da questão 6: