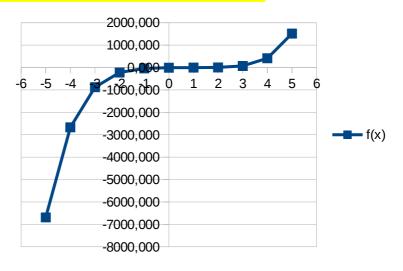
Exemplo 4

a) Gráfico



X	f(x)
-5	-6693,300
-4	-2667,600
-3	-878,900
-2	-222,000
-1	-40,500
0	-6,800
1	-2,100
2	3,600
3	71,500
4	414,000
5	1514,700



e 0,02

P'(x) =
$$5 x^4 - 14.8 x^3 + 22.2 x^2 - 21.6 x + 10.8$$

 $x^5 - 3.7 x^4 + 7.4 x^3 - 10.8 x^2 + 10.8 x - 6.8 = 0$

b) Solução		•		•	
a5	a4	a3	a2	a1	a0
1	-3,7	7,4	-10,8	10,8	-6,

Passo 2	x2	1,78620			
b5	b4	b3	b2	b1	b0 (P)
1,00000	-1,91380	3,98157	-3,68814	4,21227	0,72393

с5	с4	с3	c2	c1 (P')
1	-0,1276	3,7536	3,0166	9,6005

 $x_i - P(x)/P'(x)$

X	b0 (P)	c1 (P')	x_i+1	Tolerância	Erro x_i+1 - x_i
1,78620	0,7239	9,6005	1,71079	0,02	0,0754059
Referencia	0,7239	9,6005	1,71079		

Passo 3	x3	1,71079			
b5	b4	b3	b2	b1	b0 (P)
1,00000	-1,98921	3,99688	-3,96218	4,02154	0,08001

с5	c4	с3	c2	c1 (P')
1,00000	-0,27842	3,52056	2,06076	7,54706

 $x_i - P(x)/P'(x)$

X	b0 (P)	c1 (P')	x_i+1	Tolerância	Erro x_i+1 - x_i	
1,71079	0,0800	7,5471	1,70019	0,02	0,0106019	FIM!
Referencia	0,0800	7,5471	1,70019			

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P(x)=	0.0014
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Tools → Goal s	seek
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X	f(x)
1,700000	0,000