Post tests

Mama: Fauzi Barkah

MIM : 520 8182

F(x) = 3x3+x2+ x-3=0

9 = 10 - ع

1. xn=0,0 ×n+1=1

2. F(xn) = 3(0,8)3 +0,82 +0,8-32 =0,024

(-(>n+1)= 3(1)3 +12 -1-3=2

3. F(xn) 'F(xn+1)> -0,024 · 2 2 -0,008.

q. x+ = xn- f(xn) (xn+1-xn) / (f(xn+1)-f(xn))

= 6,8-t0,02a) (1-0,8) / (2-1-0,02a) = 0,802371

5. F(xt) = 3(0,802371)3+0, 8023712 +0,802371-3=-1,60887

). F(xt)-F(xp) = -, = =+.

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14051	xn"	, XU+1	×ŧ	P(xn)	# (xn+i)	F(x+)	F(xn).F(x+)
`	0.8	1	0,802371	-01029	2	-1160887	+
2	6,802371	\ \	6,89047	-1160887	2	0,80166	_
3	0(80237)	6189047	6,86117	-1,60087	80106	6,51075	-
4	0.802371	6,86117	0184683	~1,60887	6191875	6,38578	-
5.				-1.60887		0,30766	