

$$F(x)=X^5+7X-25$$

X	F	F'	F/F'
2	21	87	0.241379
1.758621	4.131697	54.82541	0.075361
1.68326	0.295938	47.13974	0.006278
1.676982	0.001873	46.54426	4.02E-05
1.676942	7.63E-08	46.54046	1.64E-09
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0
1.676942	0	46.54046	0

$$X^{(5/8)}=10+70X^2$$

ریشه ندارد چون همیشه سمت راست بزرگتر از سمت چپ است

X	F	F'	F/F'
2.00E+01	28003.5	-2799.8	10.00197
9.998025	7003.02	1399.46	5.004087
4.993938	1753.03	698.809	2.508591
2.485347	-440.62	347.504	1.267955
1.217392	112.612	169.854	0.662993
0.554399	30.8234	76.8361	0.401158
0.153241	11.3342	20.1909	0.561351
-0.40811	#NUM!	#NUM!	#NUM!
#NUM!	#NUM!	#NUM!	#NUM!
#NUM!	#NUM!	#NUM!	#NUM!
#NUM!	#NUM!	#NUM!	#NUM!
#NUM!	#NUM!	#NUM!	#NUM!

$$F(X) = X e^X + 3 \sin X - 5$$

X	F	F'	F/F'
1.00E+00	2.43E-01	7.06E+00	0.034388
0.965612	3.27E-03	6.87E+00	0.000476
0.965136	6.02E-07	6.87E+00	8.76E-08
0.965136	2.04E-14	6.87E+00	2.97E-15
0.965136	0.00E+00	6.87E+00	0
0.965136	0.00E+00	6.87E+00	0
0.965136	0.00E+00	6.87E+00	0
0.965136	0.00E+00	6.87E+00	0
0.965136	0.00E+00	6.87E+00	0