

$$f(x)=x^3+4*x^2-10$$

n	p0	p1	q0=f(p0)	q1=f(p1)	q1*(p1-p0)/(q1-q0)
1	1	2	-5	14	0.736842105
2	2	1.263157895	14	-1.602274384	-0.075669944
3	1.263157895	1.338827839	-1.602274384	-0.430364748	-0.027788556
4	1.338827839	1.366616395	-0.430364748	0.022909431	0.001404492
5	1.366616395	1.365211903	0.022909431	-0.000299068	-1.80985E-05
6	1.365211903	1.365230001	-0.000299068	-2.03168E-07	-1.23033E-08
7	1.365230001	1.365230013	-2.03168E-07	1.80478E-12	1.09292E-13
8	1.365230013	1.365230013	1.80478E-12	0	0