

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

$$f'(x)=3*x^2+8*x$$

n	x	f(x)	f'(x)	f(x)/f'(x)
1	1	-5	11	-0.454545455
2	1.454545455	1.540195342	17.98347107	0.085645053
3	1.368900401	0.060719689	16.57286813	0.003663801
4	1.3652366	0.000108771	16.51350573	6.58677E-06
5	1.365230013	3.51235E-10	16.51339908	2.12697E-11
6	1.365230013	0	16.51339908	0