

Newton's Method on a Spreadsheet!

x_n	$f(x)$	$f'(x)$	$x_{(n+1)}$
-1	28	-14	1
1	8	-10	1.8
1.8	2.24	-8.4	2.066666667
2.066667	0.604444	-7.86667	2.143502825
2.143503	0.159576	-7.71299	2.16419208
2.164192	0.041807	-7.67162	2.169641592
2.169642	0.010929	-7.66072	2.171068184
2.171068	0.002855	-7.65786	2.171441032
2.171441	0.000746	-7.65712	2.171538436
2.171538	0.000195	-7.65692	2.17156388
2.171564	5.09E-05	-7.65687	2.171570526
2.171571	1.33E-05	-7.65686	2.171572261
2.171572	3.47E-06	-7.65686	2.171572715
2.171573	9.07E-07	-7.65685	2.171572833
2.171573	2.37E-07	-7.65685	2.171572864
2.171573	6.19E-08	-7.65685	2.171572872