Newton's Method (p=1.2)

Iteration Number	Gradient Norm	Function Value
0	12.356630813692846	91.11234152982074
1	10.324180448892717	37.51444721050905
2	6.397603346365576	16.731341506661565
3	1.6918019307396321	15.446959126392866
4	0.274104689544287	15.277121629470772
5	0.014512908327198006	15.271196334055555
6	4.435685254581143e-05	15.27118714021955

Newton's Method at p=1.2