3.8 #30 Part A	x_n	$f(x)=x^3-x-1$	$f'(x)=3x^2-1$	$x_{n+1}=x_n-\frac{f(x_n)}{f'(x_n)}=$
1	1	-1	2	1.5
2	1.5	0.875	5.75	1.347826087
3	1.347826	0.100682173	4.449905482	1.325200399
4	1.3252	0.002058362	4.268468292	1.324718174
5	1.324718	9.24378E-07	4.264634722	1.324717957
6	1.324718	1.86517E-13	4.264632999	1.324717957
7	1.324718	0	4.264632999	1.324717957
3.8 #30 Part B	x_n	$f(x)=x^3-x-1$	$f'(x)=3x^2-1$	$x_{n+1}=x_n-\frac{f(x_n)}{f'(x_n)}=$
1	0.6	-1.384	0.08	17.9
2	17.9	5716.439	960.23	11.94680233
3	11.9468	1692.173533	427.1782576	7.985520352
4	7.98552	500.239416	190.3056059	5.356909315
5	5.356909	147.3675178	85.08943222	3.624996033
6	3.624996	43.0096132	38.42178872	2.50558919
7	2.505589	12.22444259	17.83393157	1.820129422
8	1.820129	3.209724765	8.938613342	1.46104411
9	1.461044	0.65777354	5.403949673	1.339323224
10	1.339323	0.063136961	4.381360097	1.324912868
11	1.324913	0.000831373	4.266182321	1.324717993
12	1.324718	1.50938E-07	4.26463328	1.324717957
13	1.324718	4.88498E-15	4.264632999	1.324717957
14	1.324718	0	4.264632999	1.324717957
3.8 #30 Part C	x_n	$f(x)=x^3-x-1$	$f'(x)=3x^2-1$	$x_{n+1}=x_n-\frac{f(x_n)}{f'(x_n)}=$
1	0.57	-1.384807	-0.0253	-54.16545455
2	-54.1655	-158862.6702	8800.689398	-36.11429252
3	-36.1143	-47066.66732	3911.726374	-24.08209425
4	-24.0821	-13943.26257	1738.841791	-16.06338741
5	-16.0634	-4129.811259	773.097245	-10.72148342
6	-10.7215	-1222.715251	343.85062	-7.165534467
7	-7.16553	-361.7480029	153.0346526	-4.801703813
8	-4.8017	-106.9081055	68.16907852	-3.233425235
9	-3.23343	-31.57216088	30.36511624	-2.193674205

10	-2.19367	-9.3627391	13.43661955	-1.496866569
11	-1.49687	-2.857026925	5.721828578	-0.997545961
12	-0.99755	-0.995109974	1.985293834	-0.49630531
13	-0.49631	-0.625944098	-0.261043118	-2.894162422
14	-2.89416	-22.34785176	24.12852837	-1.967962058
15	-1.96796	-6.653708333	10.61862399	-1.341354661
16	-1.34135	-2.072054008	4.397696983	-0.87018668
17	-0.87019	-0.788740306	1.271674577	-0.249949145
18	-0.24995	-0.765666322	-0.812576275	-1.192219237
19	-1.19222	-1.50238534	3.264160126	-0.73195219
20	-0.73195	-0.66019413	0.607262027	0.355212988
21	0.355213	-1.310393539	-0.6214712	-1.753321629
22	-1.75332	-4.636628799	8.222410205	-1.189420208
23	-1.18942	-1.493276862	3.244161294	-0.72912347
24	-0.72912	-0.658493903	0.594863103	0.377843663
25	0.377844	-1.323900497	-0.5717025	-1.937872113
26	-1.93787	-6.33951268	10.26604498	-1.320349718
27	-1.32035	-1.981446811	4.229970131	-0.851919268
28	-0.85192	-0.766375146	1.177299317	-0.200958944
29	-0.20096	-0.807156682	-0.878846509	-1.119386307
30	-1.11939	-1.283233509	2.759077114	1.030711157
31	1.030711	-0.935719194	2.187096468	3.368053899
32	3.368054	33.83843235	33.03136119	2.391904624
33	2.391905	10.2926786	16.16362319	0.821504555
34	0.821505	-1.267095995	1.024609199	1.630132475
35	1.630132	1.701670529	6.971995658	-2.467015321
36	-2.46702	-13.54764598	17.25849379	-1.193104429
37	-1.1931	-1.505277551	3.270494533	0.979580954
38	0.979581	-1.039595793	1.878736538	2.786760775
39	2.786761	17.85532267	22.29810686	1.537939498
40	1.537939	1.099684049	6.095773699	-4.005265119
41	-4.00527	-61.24779341	47.12644603	-3.235826036
42	-3.23583	-31.64511742	30.4117104	-2.274802254
43	-2.2748	-10.49667452	14.52417589	-0.891109175
44	-0.89111	-0.816498843	1.382226683	0.801761176
45	0.801761	-1.286372268	0.928462952	1.523529652
46	1.52353	1.012799929	5.963427806	-4.364531389
47	-4.36453	-79.77601295	56.14740273	-3.660718292
48	-3.66072	-46.39604922	39.20257524	-2.81576326
49	-2.81576	-20.50907977	22.78556821	-1.704764207
50	-1.70476	-4.249657333	7.718663004	0.111538238
51	0.111538	-1.110150615	-0.962677665	-0.755621273
52	-0.75562	-0.6758109	0.712890525	0.299245592
53	0.299246	-1.27244877	-0.731356228	-0.275517216
54	-0.27552	-0.745397223	-0.772270791	-1.311569896
55	-1.31157	-1.944613091	4.160646779	0.828005734
56	0.828006	-1.260330389	1.056780486	1.666500541

57	1.666501	1.961744843	7.331672156	-2.070821457
58	-2.07082	-7.809485313	11.86490452	-0.551527414
59	-0.55153	-0.616237567	-0.087452536	-0.693441086
60	-0.69344	-0.640007369	0.44258162	-0.001915267
61	-0.00192	-0.99808474	-0.999988995	-1.003823177
62	-1.00382	-1.00769026	2.022982912	1.003721197
63	1.003721	-0.992516013	2.022368724	3.04133943
64	3.041339	24.09027635	26.74923658	1.930964597
65	1.930965	4.26887687	10.18587282	-0.455113318
66	-0.45511	-0.639153453	-0.378615603	-1.047483743
67	-1.04748	-1.101838666	2.291666576	1.032372998
68	1.032373	-0.932076044	2.19738202	3.389886673
69	3.389887	34.56442535	33.47399496	2.421434438
70	2.421434	10.77627044	16.59003422	0.881937604
71	0.881938	-1.195954243	1.333441814	1.996898165
72	1.996898	4.965937517	10.96280685	-0.210702476
73	-0.2107	-0.798651773	-0.866813399	-1.296048342
74	-1.29605	-1.880977591	4.039223914	0.851358375
75	0.851358	-1.234284389	1.174433251	1.802867818
76	1.802868	3.057051807	8.750997106	-1.059693126
77	-1.05969	-1.130288763	2.368848564	1.036097474
78	1.036097	-0.923848933	2.220493927	3.439622388
79	3.439622	36.25455755	34.49300651	2.48821079
80	2.488211	11.91678228	17.57357881	1.013519184
81	1.013519	-0.972410857	2.081663407	3.154243335