Homework 9 Problem 1 Table

i	x_i	d_i	relative error	f(x_i)
1	1.5000000e-01	3.5000000e-01	2.6923077e-01	-6.258487694287800e-01
2	3.2500000e-01	3.5000000e-01	2.6923077e-01	-9.353754902647740e-01
3	5.0000000e-01	3.5000000e-01	2.6923077e-01	-9.070257317431829e-02
4	2.3750000e-01	3.5000000e-01	2.6923077e-01	-1.876688031035538e+00
5	4.1250000e-01	3.5000000e-01	2.6923077e-01	-3.426097533172245e-01
6	1.9375000e-01	1.7500000e-01	1.8421053e-01	-1.900924437093262e+00
7	2.8125000e-01	1.7500000e-01	1.8421053e-01	-1.402240648388727e+00
8	1.7187500e-01	8.7500000e-02	1.1290323e-01	-1.448425919984353e+00
9	2.1562500e-01	8.7500000e-02	1.1290323e-01	-1.997210668437204e+00
10	2.0468750e-01	4.3750000e-02	5.0724638e-02	-1.985054326119677e+00
11	2.2656250e-01	4.3750000e-02	5.0724638e-02	-1.955750493974983e+00
12	2.1015625e-01	2.1875000e-02	2.5362319e-02	-1.998943320576815e+00
13	2.2109375e-01	2.1875000e-02	2.5362319e-02	-1.982113460759519e+00
14	2.0742187e-01	1.0937500e-02	1.3011152e-02	-1.994097611986041e+00
15	2.1289062e-01	1.0937500e-02	1.3011152e-02	-1.999885373101348e+00
16	2.1152344e-01	5.4687500e-03	6.4220183e-03	-1.999884185424203e+00
17	2.1425781e-01	5.4687500e-03	6.4220183e-03	-1.998982509222196e+00
18	2.1220703e-01	2.7343750e-03	3.2110092e-03	-1.999999999952165e+00
19	2.1357422e-01	2.7343750e-03	3.2110092e-03	-1.999544741983256e+00
20	2.1186523e-01	1.3671875e-03	1.6106765e-03	-1.999971176486331e+00
21	2.1254883e-01	1.3671875e-03	1.6106765e-03	-1.999971213588632e+00
22	2.1203613e-01	6.8359375e-04	8.0533824e-04	-1.999992824260617e+00
23	2.1237793e-01	6.8359375e-04	8.0533824e-04	-1.999992773218582e+00
24	2.1212158e-01	3.4179687e-04	4.0266912e-04	-1.999998216760131e+00
25	2.1229248e-01	3.4179687e-04	4.0266912e-04	-1.999998182539929e+00
26	2.1216431e-01	1.7089844e-04	2.0133456e-04	-1.999999558975444e+00
27	2.1224976e-01	1.7089844e-04	2.0133456e-04	-1.999999540777944e+00
28	2.1218567e-01	8.5449219e-05	1.0066728e-04	-1.999999892050639e+00
29	2.1222839e-01	8.5449219e-05	1.0066728e-04	-1.999999882815964e+00
30	2.1219635e-01	4.2724609e-05	5.0333640e-05	-1.999999974139613e+00
31	2.1221771e-01	4.2724609e-05	5.0333640e-05	-1.999999969505285e+00
32	2.1220169e-01	2.1362305e-05	2.5166820e-05	-1.999999994079380e+00
33	2.1221237e-01	2.1362305e-05	2.5166820e-05	-1.99999991760092e+00
34	2.1220436e-01	1.0681152e-05	1.2583410e-05	-1.999999998774012e+00
35	2.1220970e-01	1.0681152e-05	1.2583410e-05	-1.999999997614103e+00
36	2.1220570e-01	5.3405762e-06	6.2917050e-06	-1.999999999802632e+00
37	2.1220837e-01	5.3405762e-06	6.2917050e-06	-1.999999999222644e+00