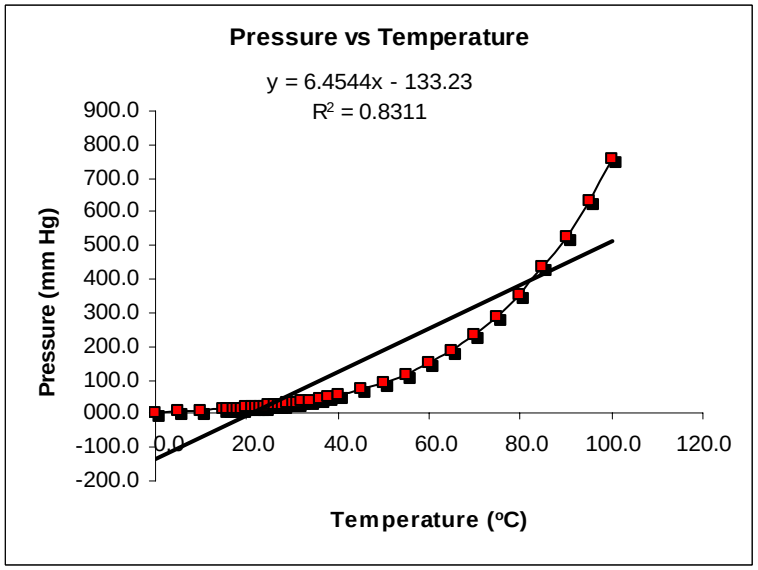
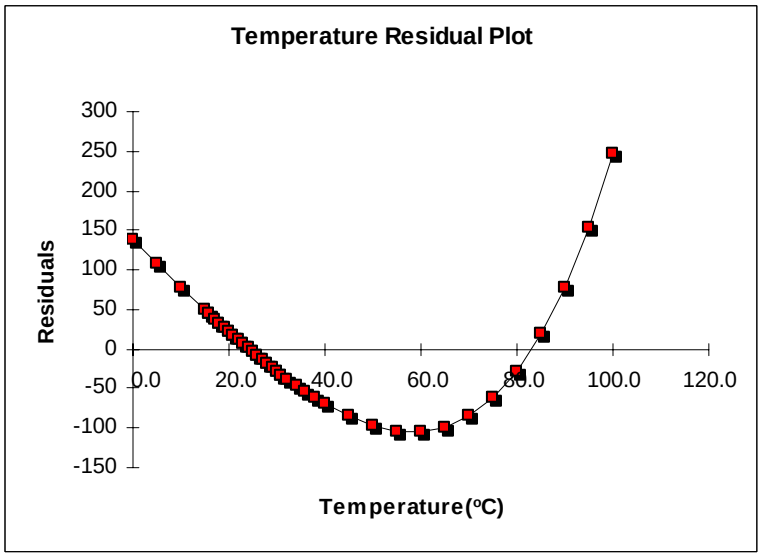
Data Set I: Vapor Pressure of Water at Various Temperatures – Graphs Generated by Excel – A Linear Regression Is Determined

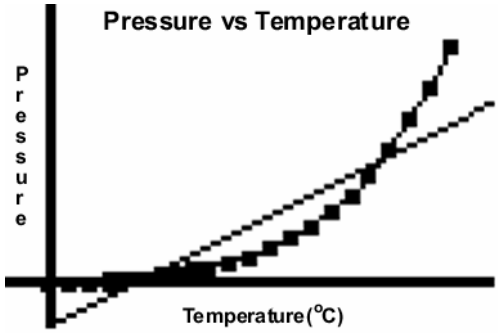
Temp (°C)	Press (mm Hg)
0.00	4.580
5.00	6.543
10.00	9.209
15.00	12.788
16.00	13.634
17.00	14.530
18.00	15.477
19.00	16.478
20.00	17.535
21.00	18.650
22.00	19.827
23.00	21.068
24.00	22.377
25.00	23.756
26.00	25.209
27.00	26.739
28.00	28.349
29.00	30.044
30.00	31.823
31.00	33.696
32.00	35.663
34.00	39.899
36.00	44.563
38.00	49.692
40.00	55.324
45.00	71.882
50.00	92.511
55.00	118.030
60.00	149.370
65.00	187.550
70.00	233.710
75.00	289.100
80.00	355.110
85.00	433.620
90.00	525.770
95.00	633.910
100.00	760.000

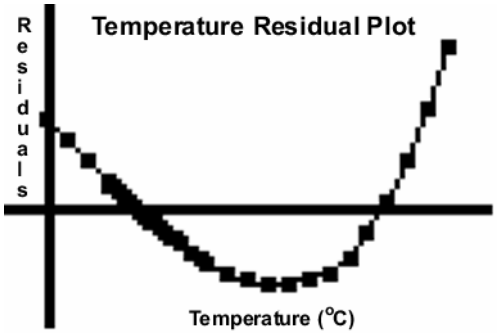




Data Set I: Vapor Pressure of Water at Various Temperatures – Graphs Generated by TI-83 Plus – A Linear Regression Is Determined

Temp (°C)	Press (mm Hg)
.00	4.580
5.00	6.543
10.00	9.209
15.00	12.788
16.00	13.634
17.00	14.530
18.00	15.477
19.00	16.478
20.00	17.535
21.00	18.650
22.00	19.827
23.00	21.068
24.00	22.377
25.00	23.756
26.00	25.209
27.00	26.739
28.00	28.349
29.00	30.044
30.00	31.823
31.00	33.696
32.00	35.663
34.00	39.899
36.00	44.563
38.00	49.692
40.00	55.324
45.00	71.882
50.00	92.511
55.00	118.030
60.00	149.370
65.00	187.550
70.00	233.710
75.00	289.100
80.00	355.110
85.00	433.620
90.00	525.770
95.00	633.910
100.00	760.000





Data Set I: Vapor Pressure of Water at Various Temperatures – Graphs Generated by Excel and the TI-83 Plus – A Quartic Regression Is Determined

Temp (°C)	Press (mm Hg)
0.00	4.580
5.00	6.543
10.00	9.209
15.00	12.788
16.00	13.634
17.00	14.530
18.00	15.477
19.00	16.478
20.00	17.535
21.00	18.650
22.00	19.827
23.00	21.068
24.00	22.377
25.00	23.756
26.00	25.209
27.00	26.739
28.00	28.349
29.00	30.044
30.00	31.823
31.00	33.696
32.00	35.663
34.00	39.899
36.00	44.563
38.00	49.692
40.00	55.324
45.00	71.882
50.00	92.511
55.00	118.030
60.00	149.370
65.00	187.550
70.00	233.710
75.00	289.100
80.00	355.110
85.00	433.620
90.00	525.770
95.00	633.910
100.00	760.000