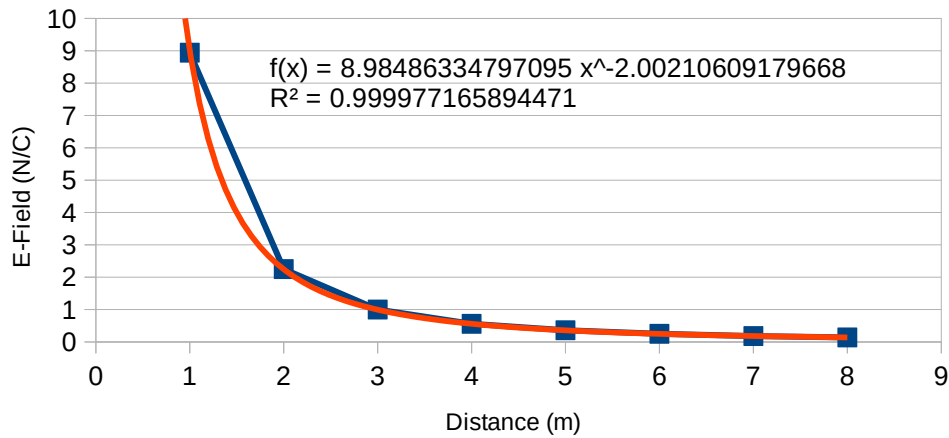


Sheet1

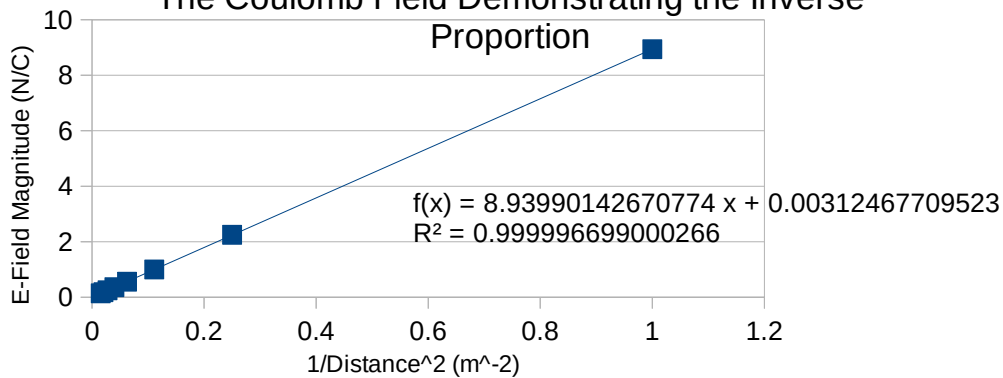
Distance (m)	E-Field (N/C)	1/Distance^2	E-Field (N/C)
1	8.94	1	8.94
2	2.25	0.25	2.25
3	1	0.111111111	1
4	0.56	0.0625	0.56
5	0.36	0.04	0.36
6	0.25	0.027777778	0.25
7	0.18	0.020408163	0.18
8	0.14	0.015625	0.14

Charge (nC)	E-Field (N/C)
2	4.5
4	9.01
6	13.5
8	18
10	22.5
12	27
14	31.5
16	36

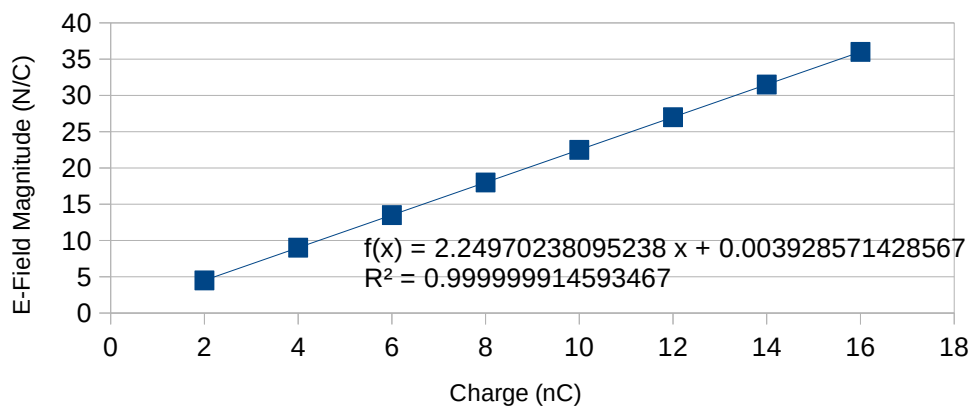
Distance vs E-Field



The Coulomb Field Demonstrating the Inverse Proportion



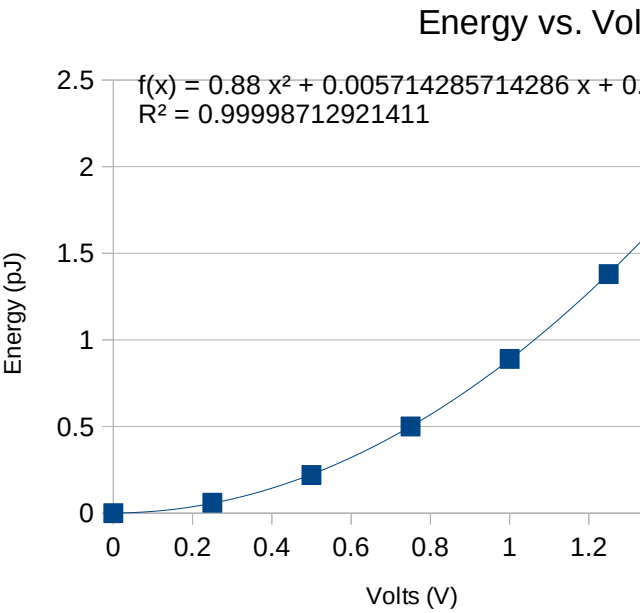
Coulomb Field with Varying Charge



class work

Distance (cm)	Volts
25	36.7
50	18.37
75	12.04
100	9.07
125	7.2
150	6.02
175	5.17
200	4.47
225	4.01
250	3.6
275	3.27
300	3.01
325	2.7
350	2.57
375	2.4

Voltage	Energy (pJ)
0	0
0.25	0.06
0.5	0.22
0.75	0.5
1	0.89
1.25	1.38
1.5	1.99



tage

.000714285714286

