

Prob . 6.36: $W_E = Q^2 d / (4 \epsilon_0 \epsilon_r S)$

Prob.6.37

a) $C_1 = 666.67 \epsilon_0$

b) $C_2 = 1493.33 \epsilon_0$

c) $C_3 = 1620 \epsilon_0$

Prob 14.8:

Iterations	0 th	1st	2nd	3rd	4 th	5th
Node1	0	20	26.25	27.03	27.881	27.377
2	0	25	28.125	31.52	33.51	34.17
3	0	6.25	19.0625	26.143	28.3	28.95
4	0	6.5623	19.0234	22.351	23.31	23.95
5	0	41.5625	54.023	57.35	58.31	58.587
6	0	37.03	43.262	44.93	45.4	45.54

Prob 14.9:

$V_1 = -2.5$

$V_2 = 0$

$V_3 = 2.5$

Prob 14.10:

$V_1 = V_2 = 0.3231 V$

$V_3 = V_4 = 0.4039 V$

