

## Chapter 16

16.10

$$|\vec{E}| = 2.5 \times 10^3 \text{ V/m}$$

16.22

$$r = 8.99 \times 10^3 \text{ m}$$

16.38

$$V = 0$$

16.72

$$Q = 5.8 \times 10^{-4} \text{ C}$$

16.84

$$Q = 1.1 \times 10^{-9} \text{ C}$$

16.102

$$C = 12 \mu\text{F}$$

16.104

$$C = 26 \text{ pF}$$

16.106

- 1)  $C = 14 \text{ pF}$  (betw. A and B)
- 2)  $C = 28 \text{ pF}$  (betw. A and C)