Answers to Problems on Study Guide

* 2.2 x 107 N/C
* 0.0675 N
* 1.1 x 1028 N
* 1.1 Ω
* 48 volts
* 1.8 volts
* 0.5 A
* 2.0 A
* 960 volts
* 255 volts
* 0.01 A
* a. 17 Ω

b. 1 A, 0.64 A and 0.41 A

* a. 350 Ω

b. 0.14 A

c. 17.5 volts

* 0.7 m
* 282 m/s
* 6414 km
* 1.35 Hz and 0.7 sec
* 1.06 m
* 30 cm and -3
* 6 cm and 2 cm
* Image characteristics
* -6 cm and 0.4
* 22.1°
* Omit
* 2.2 x 108 m/s