Problem 17.10

What is the resistance if a voltage of 120 volts generates a current of 13.5 amps?

1.)

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$$V = i\,R$$

$$\Rightarrow\ R = \frac{V}{i}$$

$$\Rightarrow\ R = \frac{120\ V}{13.5\ A}$$

$$\Rightarrow\ R = 8.89\ \Omega$$

2.)