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From the power relationship:

$$P = i V$$

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

$$\Rightarrow i = \frac{1 \times 10^3 \text{ watts}}{120 \text{ volts}}$$

$$\Rightarrow i = 8.33 \text{ amps}$$

From Ohm's Law

$$V = i R$$

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

$$\Rightarrow R = \frac{120 \text{ volts}}{8.33 \text{ amps}}$$

$$\Rightarrow R = 14.4 \text{ ohms}$$

2.)