

P #31

Ch 17 - pg 551

$$P = 600 \text{ W}$$

$$V = 120 \text{ V}$$

Find I :

$$P = I \cdot V$$

$$600 \text{ W} = I \cdot (120 \text{ V})$$

$$I = 5 \text{ A}$$

Find R :

$$V = I \cdot R$$

$$(120 \text{ V}) = (5 \text{ A}) \cdot R$$

$$R = 24 \Omega$$