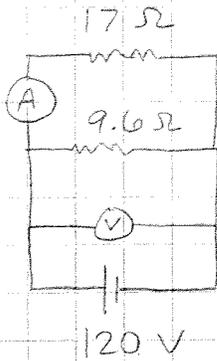


P # D

Ch 18 - Worksheet

a)



b)  $V_{eq} = V_1 = 120 \text{ V}$

$$R_1 = 17 \Omega$$

$$V_1 = I_1 \cdot R_1$$

$$120 \text{ V} = I_1 \cdot (17 \Omega)$$

$$I_1 = 7.06 \text{ A}$$

c)  $P_1 = I_1 \cdot V_1$

$$= (7.06 \text{ A})(120 \text{ V})$$

$$P_1 = 847 \text{ W}$$