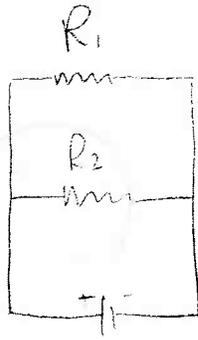


P #A(b)

Ch 18 - Worksheet

b)

$$V_{eq} = 18 \text{ V}$$
$$R_1 = 18 \Omega$$
$$R_2 = 6 \Omega$$



Find Potential Difference:

$$V_{eq} = V_1 = V_2 = 18 \text{ V}$$

Find Current:

$$V_1 = I_1 \cdot R_1$$
$$(18 \text{ V}) = I_1 \cdot (18 \Omega)$$

$$I_1 = 1.0 \text{ A}$$

$$V_2 = I_2 \cdot R_2$$
$$(18 \text{ V}) = I_2 \cdot (6 \Omega)$$

$$I_2 = 3.0 \text{ A}$$