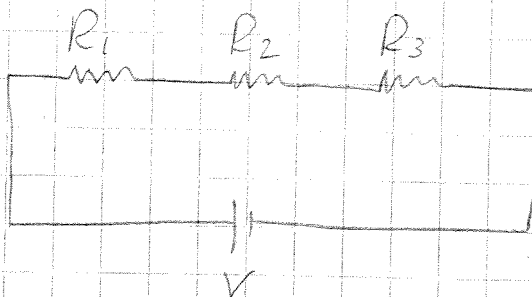


P. #2

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a)

$$R_1 = 4 \Omega$$
$$R_2 = 8 \Omega$$
$$R_3 = 12 \Omega$$
$$V = 24 \text{ V}$$



$$R_s = R_1 + R_2 + R_3$$
$$= 4 \Omega + 8 \Omega + 12 \Omega$$

$$R_{eq} = 24 \Omega$$

b)

$$R_{eq} = 24 \Omega$$
$$V_{eq} = 24 \text{ V}$$

$$V_{eq} = I_{eq} \cdot R_{eq}$$

$$24 \text{ V} = I_{eq} \cdot (24 \Omega)$$

$$I_{eq} = 1 \text{ A}$$

$$I_{eq} = I_1 = I_2 = I_3 = 1 \text{ A}$$