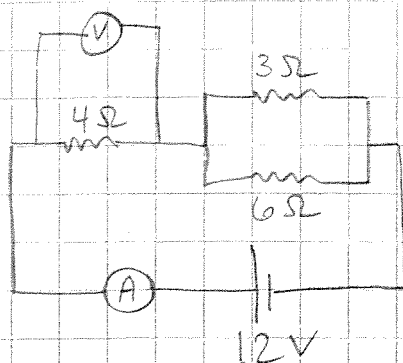


a)



$$\begin{aligned} b) \quad R_1 &= 4\Omega \\ R_2 &= 3\Omega \\ R_3 &= 6\Omega \\ V_{eq} &= 12V \end{aligned}$$

$$\begin{aligned} R_{23}^{-1} &= R_2^{-1} + R_3^{-1} \\ &= (3\Omega)^{-1} + (6\Omega)^{-1} \\ R_{23} &= 2\Omega \end{aligned}$$

$$\begin{aligned} R_{123} &= R_1 + R_{23} \\ &= 4\Omega + 2\Omega \end{aligned}$$

$$R_{123} = 6\Omega$$

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

$$12V = I_{eq} \cdot (6\Omega)$$

$$I_{eq} = 2A$$

$$\begin{aligned} c) \quad R_1 &= 4\Omega \\ I_1 &= I_{eq} = 2A \end{aligned}$$

$$\begin{aligned} V_1 &= I_1 \cdot R_1 \\ &= (2A)(4\Omega) \end{aligned}$$

$$V_1 = 8V$$