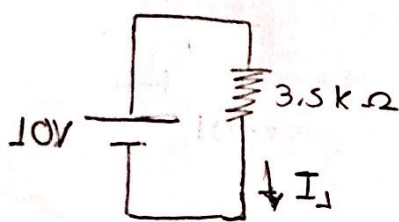
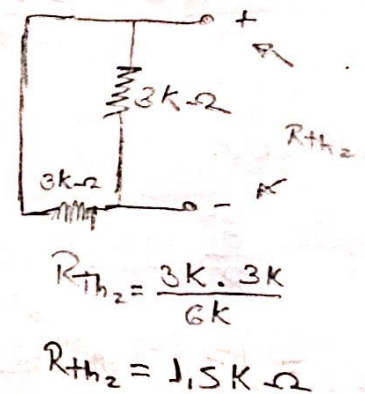
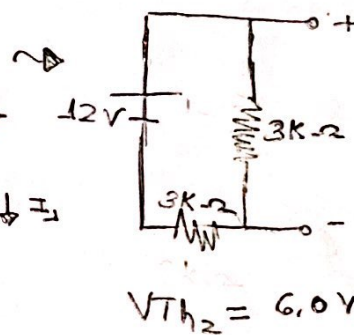
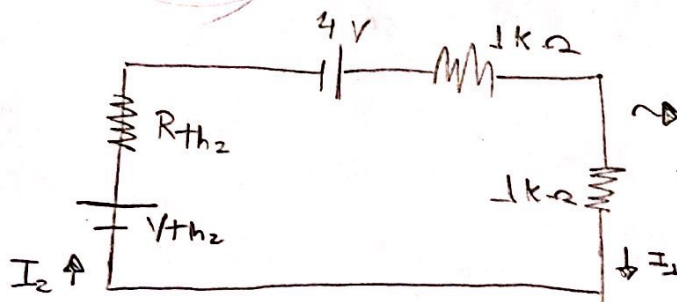
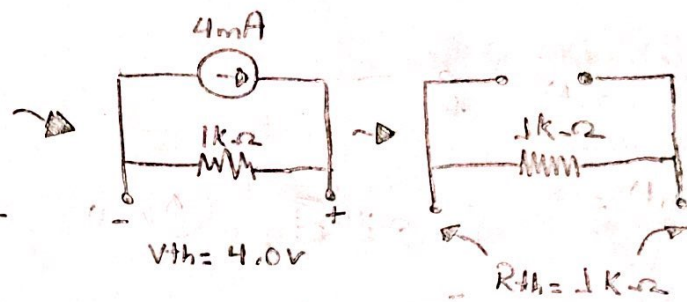
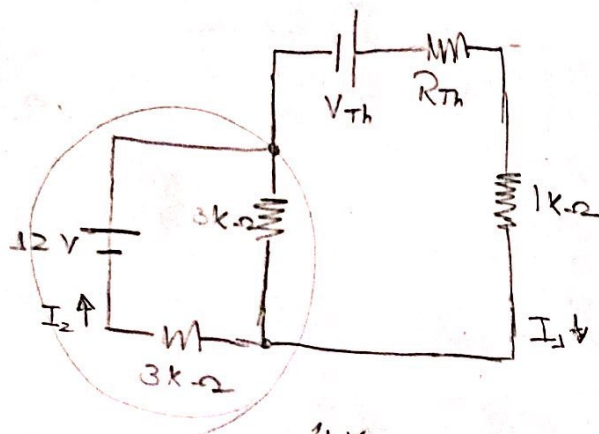
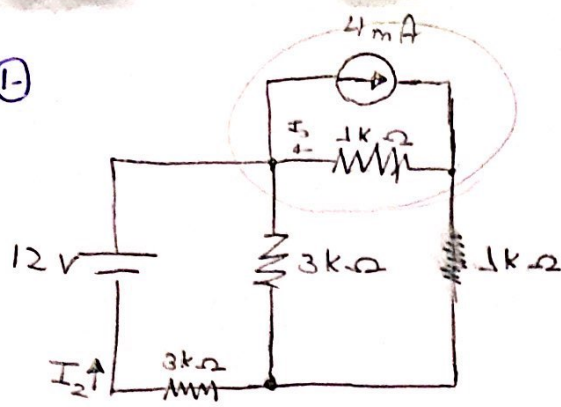


1-



$$I_1 = \frac{U}{R}$$

$$I_1 = \frac{10}{3,5}$$

$$I_1 = 2,8571 \text{ mA}$$

$$V_3 = I_3 \cdot R_3$$

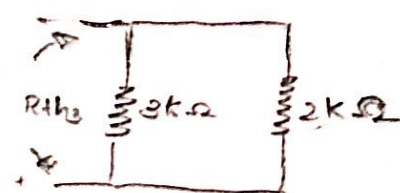
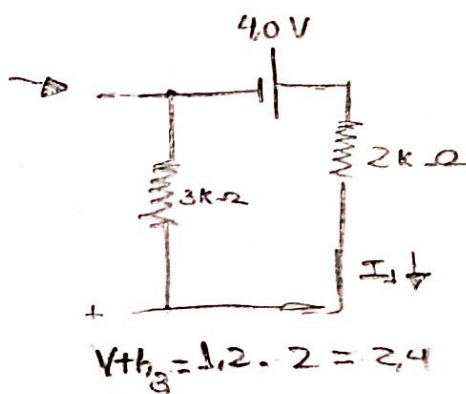
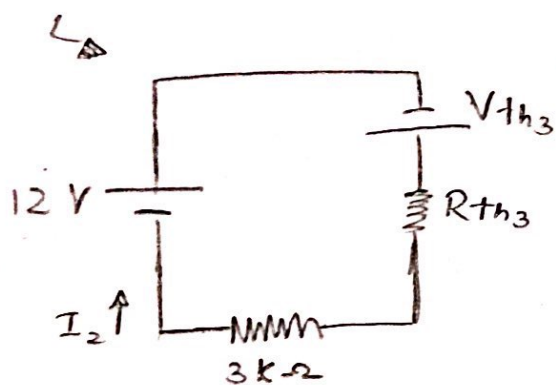
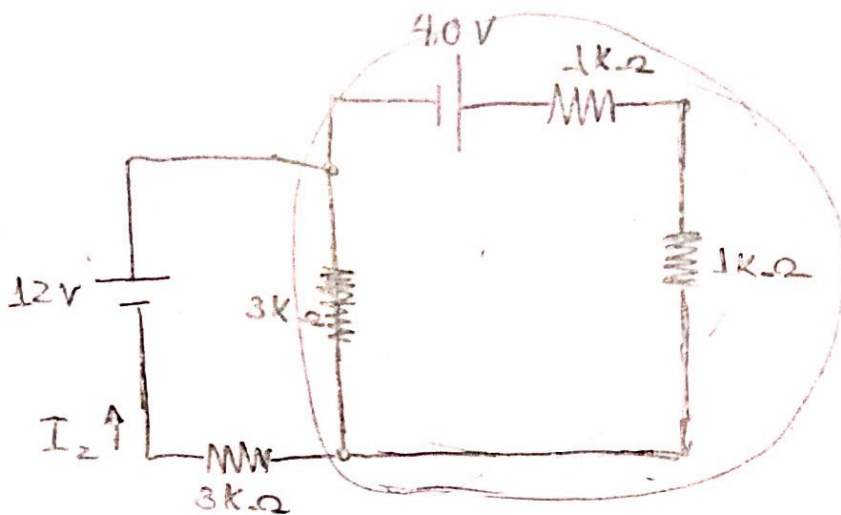
$$V_3 = 1,1429 \cdot 1$$

$$I_3 = 4 - I_1$$

$$I_3 = 4 - 2,8571$$

$$I_3 = 1,1429$$

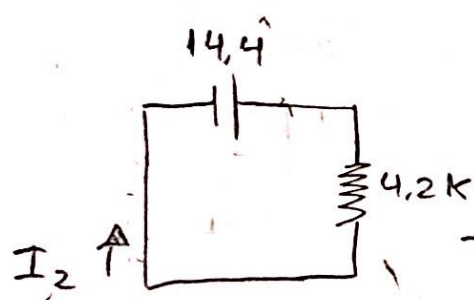
$$V_3 = 1,1429 \text{ V}$$



$$R_{th3} = \frac{3 \cdot 2}{3 + 2}$$

$$= \frac{6}{5}$$

$$R_{th3} = 1.2 \text{ k}\Omega$$



$$I_2 = \frac{U}{R}$$

$$I_2 = \frac{14.4}{4.2}$$

$$\Rightarrow I_2 = 3.4286 \text{ mA}$$