

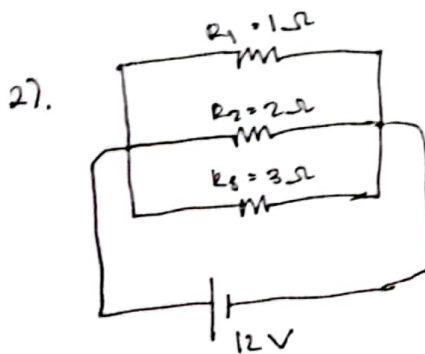
- a). hitung arus pada R_3
 b). hitung tegangan pada R_2

Jawab

a). $\frac{12}{6} = 2A$ ~~20~~ 25

b). $\frac{12}{6} = 2$

$2 \times 2 = 4$



- a). hitung arus pada R_3
 b). hitung tegangan R_3

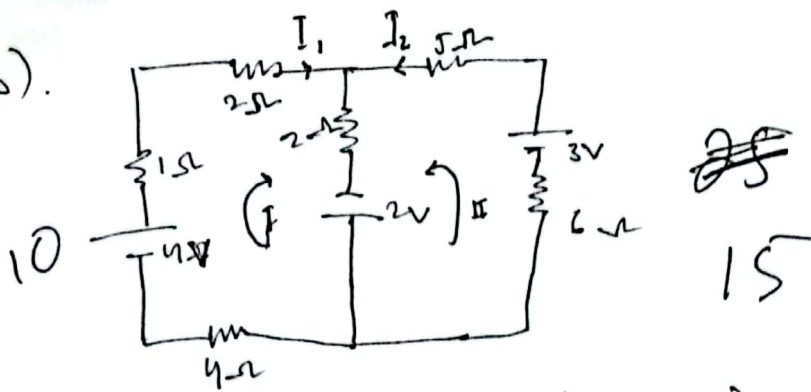
Jawab

a). $12 : 3 = 4$

b). $12 : 2 = 6$

15

3).



hitung arus tiap loop (I_1, I_2, I_3)

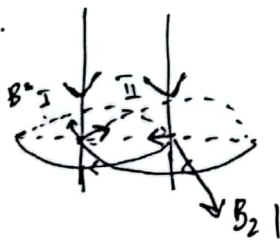
$$\sum \mathcal{E} + \sum i.R = 0$$

5 ~~loop I~~ $\rightarrow \mathcal{E}_4 + \mathcal{E}_1 \left(\begin{array}{l} -4 - 2I_1 + 3I_3 = 0 \\ -6 + 7I_2 + 3I_3 = 0 \end{array} \right) = 7 - 1(7) = 0$
 $R_6 = 0 \quad \quad \quad = \frac{7}{7} = 1 \text{ A}$

X loop II $\rightarrow \mathcal{E}_2 + \mathcal{E}_3 + I_1 (5\Omega + 6\Omega) + I_3$
 $R_6 = 0 \quad \quad \quad 11 - I(11) = 0$

$$I = \frac{11}{11} = 1 \text{ A}$$

4).



25

B : 80