



$$R_1 = 2 \text{ k}\Omega$$

$$R_2 = 4 \text{ k}\Omega$$

$$R_3 = 6 \text{ k}\Omega$$

$$U = 10 \text{ V}$$

$$R_{2,3} = \frac{R_2 \cdot R_3}{R_2 + R_3} = \frac{4 \cdot 6}{4 + 6} = \frac{24}{10} = \underline{\underline{2,4 \text{ k}\Omega}}$$

$$R = 2,4 + 2 = \underline{\underline{4,4 \text{ k}\Omega}}$$

$$I_1 = \frac{U}{R_1}$$

$$I_1 = \frac{10}{2}$$

$$I_1 = \underline{\underline{5 \text{ mA}}}$$

$$I_2 = \frac{U_2}{R_{2,3}}$$

$$I_2 = \frac{4}{2,4}$$

$$I_2 = \underline{\underline{1,7 \text{ mA}}}$$

$$I_3 = \frac{U_3}{R_{2,3}}$$

$$I_3 = \frac{6}{2,4}$$

$$I_3 = \underline{\underline{2,5 \text{ mA}}}$$