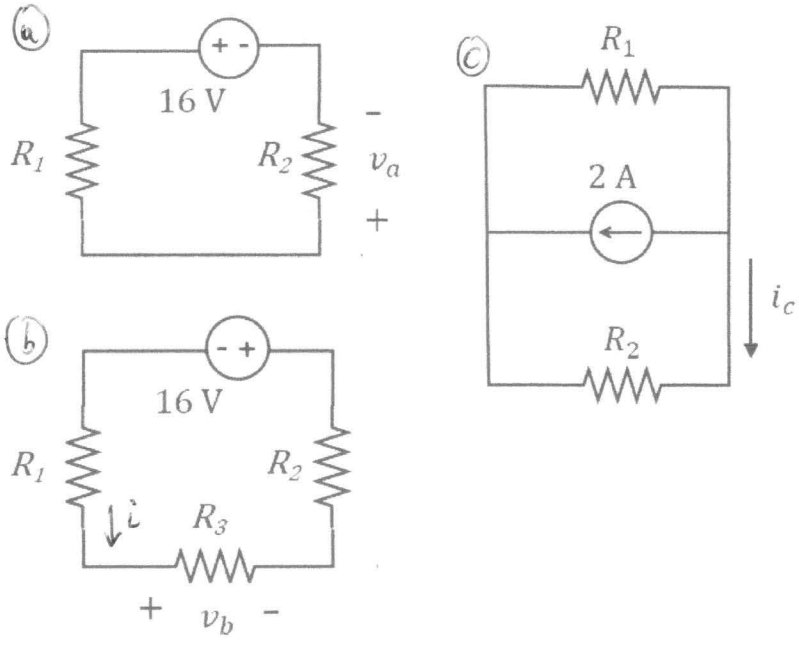
Find v_a, v_b and i_c.

R1 = 2 Ω

R2 = 6 Ω

R3 = 2 Ω



(a) VOLTAGE DIVIDER: $v_a = 16 \cdot \frac{R_2}{R_1+R_2} = 16 \cdot \frac{6}{2+6} = 12$

$$\boxed{v_a = 12\,V}$$

(b) VOLTAGE DIVIDER: $v_b = (-16) \frac{R_3}{R_1+R_2+R_3} = (-16) \frac{2}{2+6+2} = -3.2$

$$\boxed{v_b = -3.2\,V}$$

BTW: WHERE THIS COMES FROM

$$i = \frac{(-16)}{R_1+R_2+R_3} \quad \text{AND} \quad v_b = R_3 \cdot i$$

$$\Rightarrow v_b = (-16) \frac{R_3}{R_1+R_2+R_3}$$

(c) CURRENT DIVIDER: $i_c = (-2) \frac{R_1}{R_1+R_2} = (-2) \cdot \frac{2}{2+6} = -0.5$

$$\boxed{i_c = -0.5\,A}$$