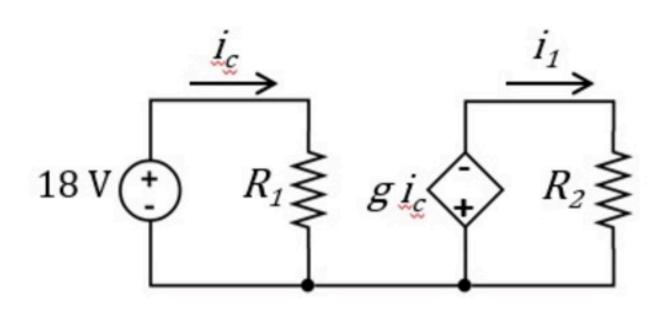
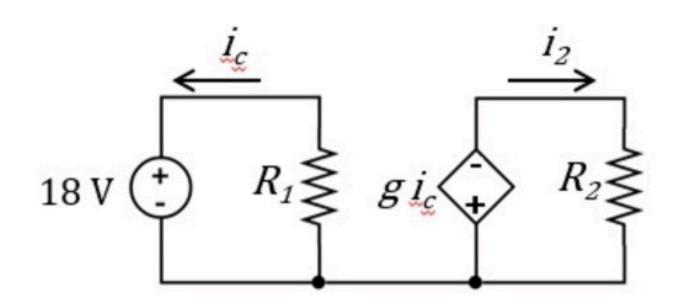
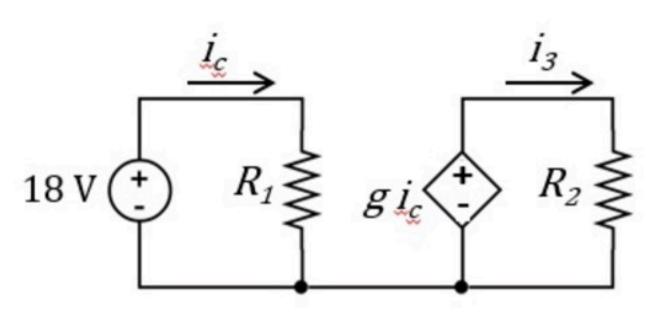
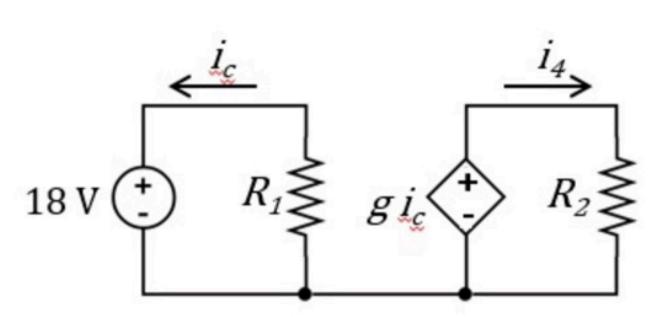
Find the currents  $i_1$ ,  $i_2$ ,  $i_3$  and  $i_4$ .









Given Variables:

R\_1 : 4 ohm R\_2 : 9 ohm g : 6 V/A

Calculate the following:

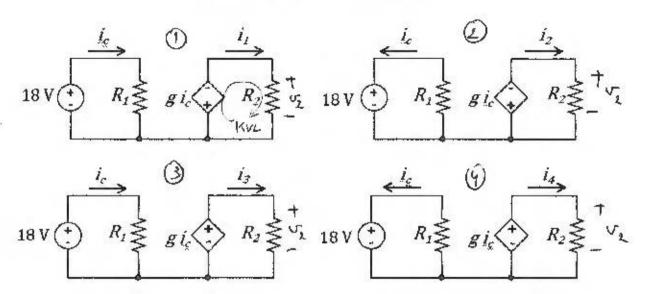
i\_1 (A):

i\_2 (A):

i\_3 (A):

i\_4 (A):

## Find the currents $i_1, i_2, i_3$ and $i_4$ .



$$R1 = 4 \Omega$$

$$R2 = 3 \Omega$$

$$g = 2 V/A$$

$$\underline{m0}. \quad L_c = \frac{18}{R_1} = 4.5 \, A$$

KVL in right feet. 
$$gic + \sqrt{1} = 0$$

$$\Rightarrow V_2 = -gic = -9V$$

$$i_1 = \frac{\sqrt{2}}{R_1} = \frac{-9}{3} \Rightarrow [i_1 = -3A]$$

$$\frac{\dot{n}(2)}{\dot{n}(2)}$$
:  $\dot{L}_{c} = -45A$ 
 $U_{1} = -9U_{c} = 9V$ 
 $\dot{L}_{2} = \frac{U_{1}}{R_{2}} = \frac{9}{3}$ 

$$\frac{hQ}{v_1 = gi_c = -9v}$$
 $i_y = \frac{v_2}{R_2} = \frac{-9}{3}$ 
 $i_y = -3A$