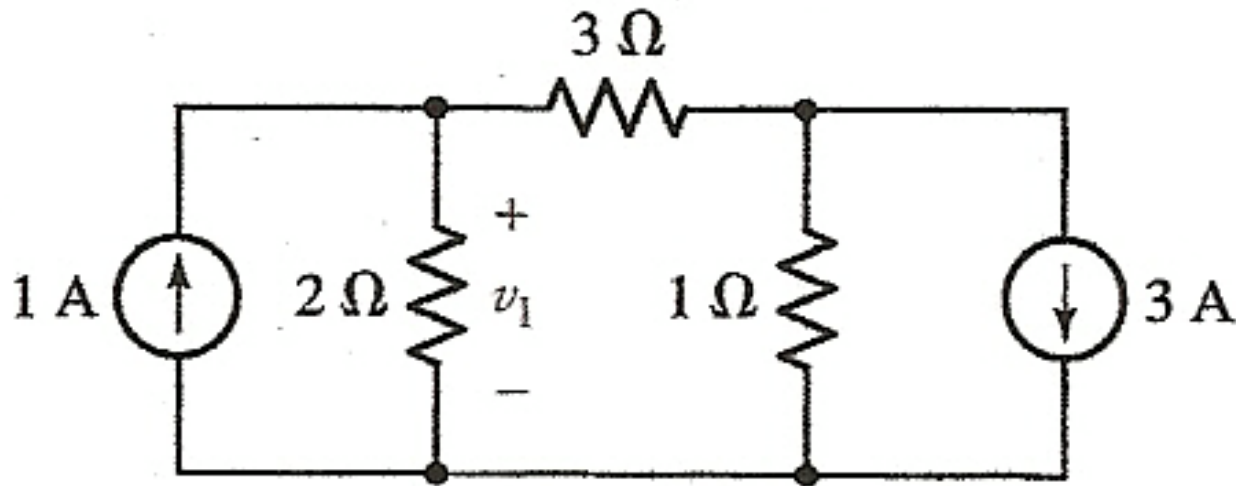


# Ejemplos

**Circuitos eléctricos I**  
**Capítulo 4**

## Problema 4.4 página 109

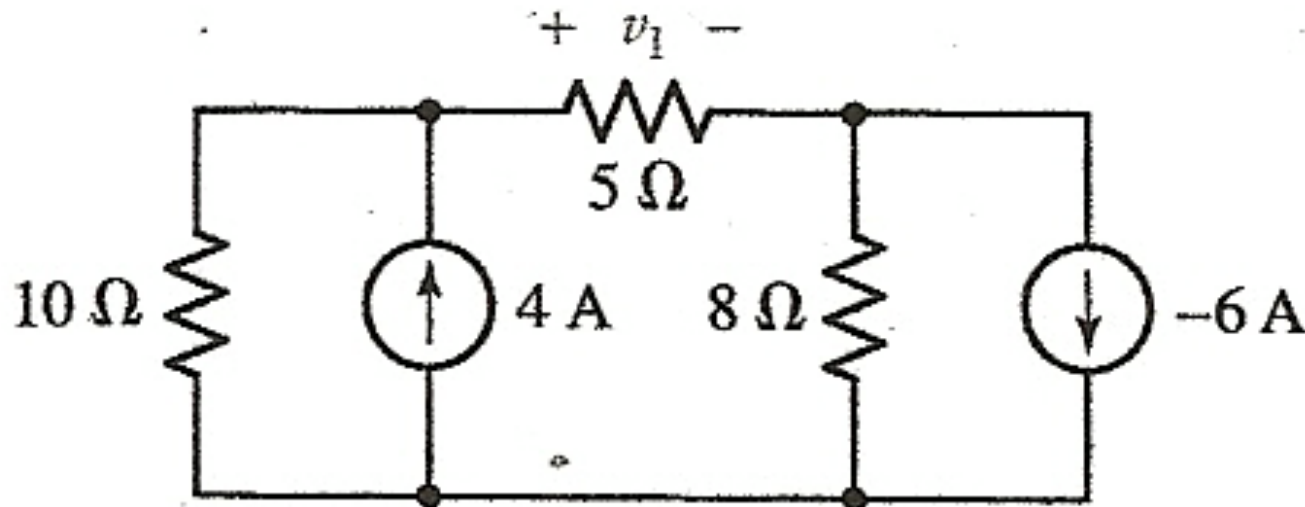
4. Determine the value of the voltage labeled  $v_1$  in Fig. 4.34.



■ **FIGURE 4.34**

## Problema 4.5 página 109

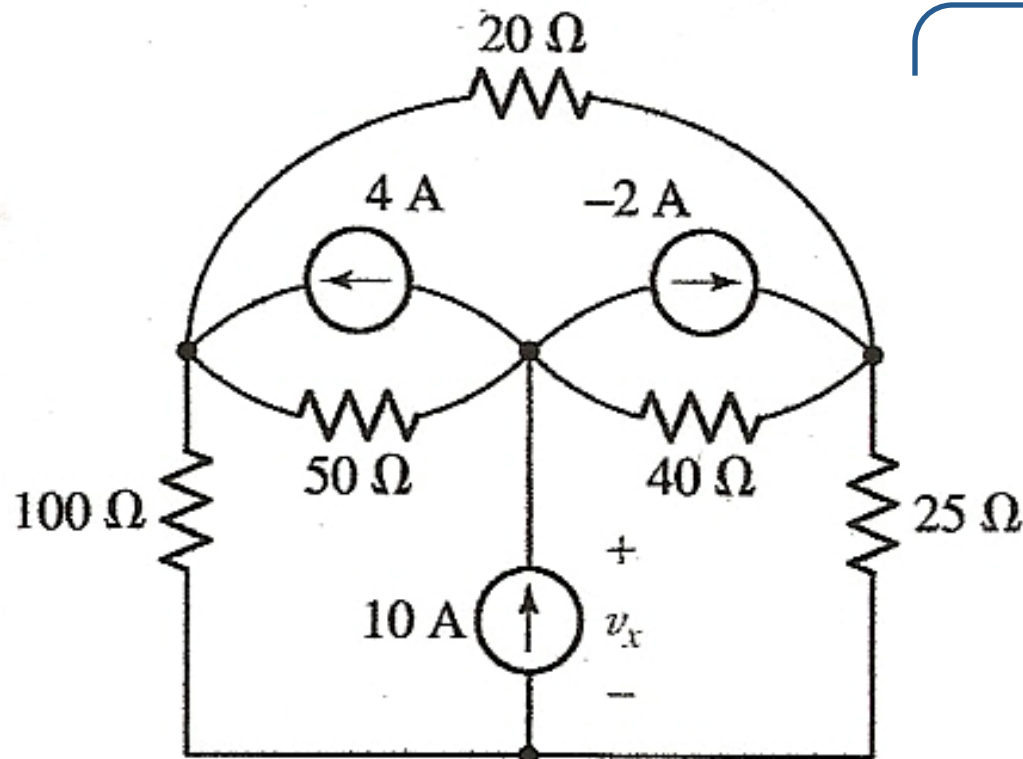
5. Determine the value of the voltage labeled  $v_1$  in Fig. 4.35.



**FIGURE 4.35**

**Problema 4.8 página 110**

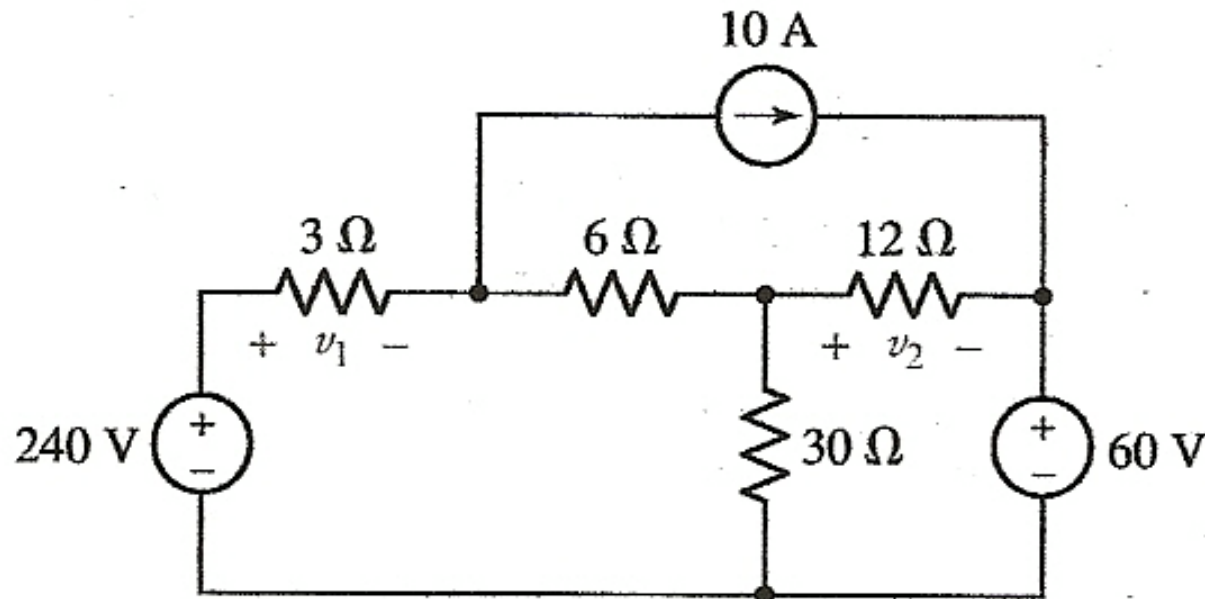
8. Use nodal analysis to find  $v_x$  in the circuit of Fig. 4.38.



■ **FIGURE 4.38**

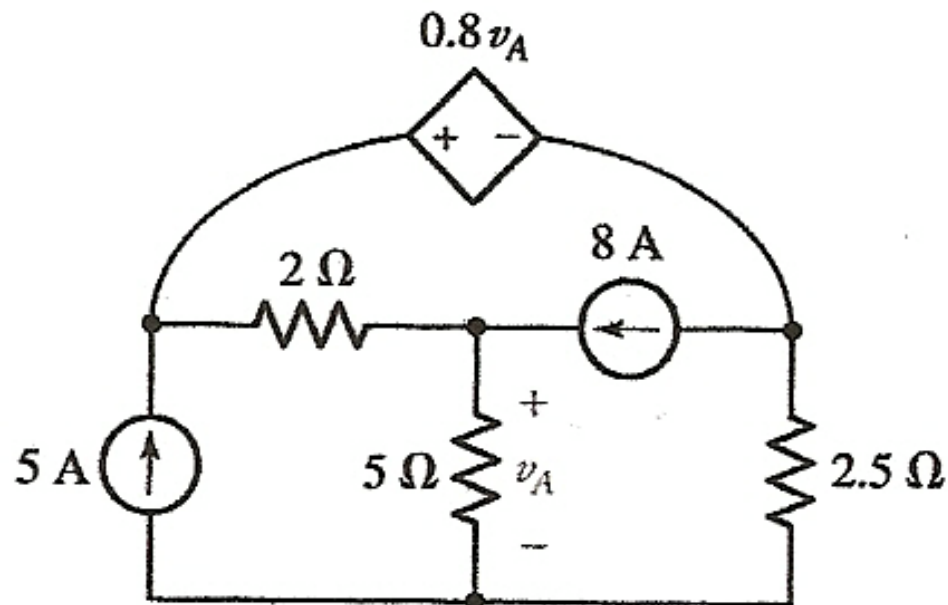
## Problema 4.9 página 110

9. For the circuit of Fig. 4.39 (a) use nodal analysis to determine  $v_1$  and  $v_2$ .  
(b) Compute the power absorbed by the  $6\ \Omega$  resistor.



■ FIGURE 4.39

17. With the help of nodal analysis on the circuit of Fig. 4.47, find (a)  $v_A$ ; (b) the power dissipated in the  $2.5\ \Omega$  resistor.



■ **FIGURE 4.47**

## Ejemplo de super-nodo

Un super-nodo se forma cuando una fuente de tensión está fuera de la referencia:

