

## HW 2:

### Chapter 2, Problem 1.

The voltage across a  $5\text{-k}\Omega$  resistor is  $16\text{ V}$ . Find the current through the resistor.

## HW 3:

### Chapter 3, Problem 68.

Find the voltage  $V_o$  in the circuit of Fig. 3.112.

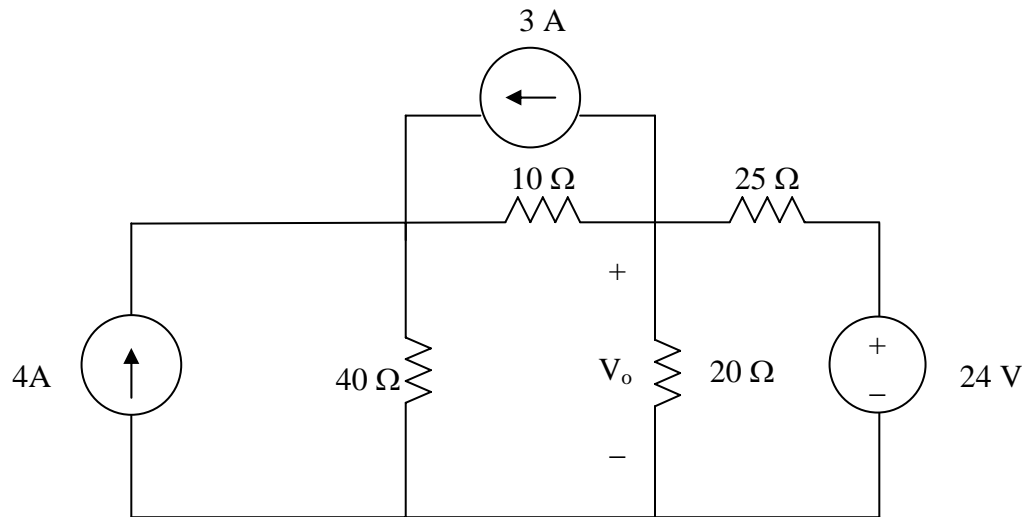


Figure 3.112 For Prob. 3.68.

**Chapter 4, Problem 34.**

Find the Thevenin equivalent at terminals *a-b* of the circuit in Fig. 4.102.

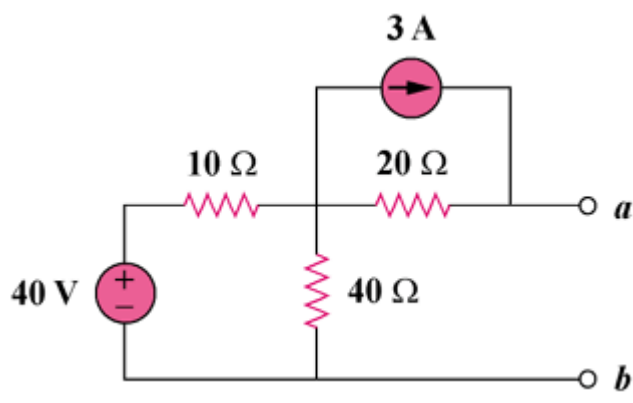


Figure 4.102

**HW 4:**

**Chapter 6, Problem 23.**

For the circuit in Fig. 6.57, determine:

- (a) the voltage across each capacitor,
- (b) the energy stored in each capacitor.

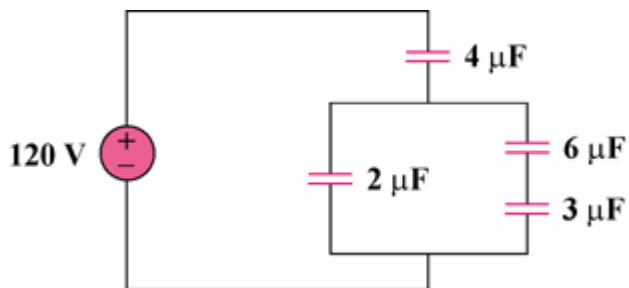


Figure 6.57

**Chapter 6, Problem 52.**

Find  $L_{eq}$  in the circuit of Fig. 6.74.

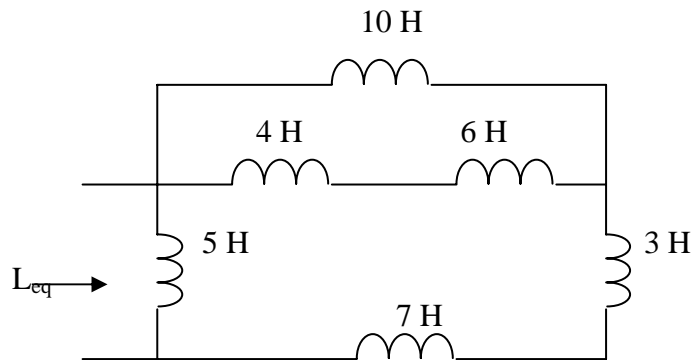
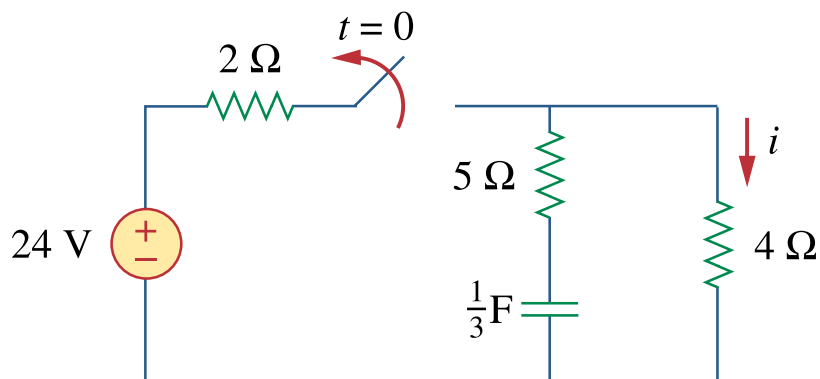


Figure 6.74 For Prob. 6.52.

**HW 5:**

**Chapter 7, Problem 5.**

For the circuit shown in Fig. 7.85, find  $i(t)$ ,  $t > 0$ .

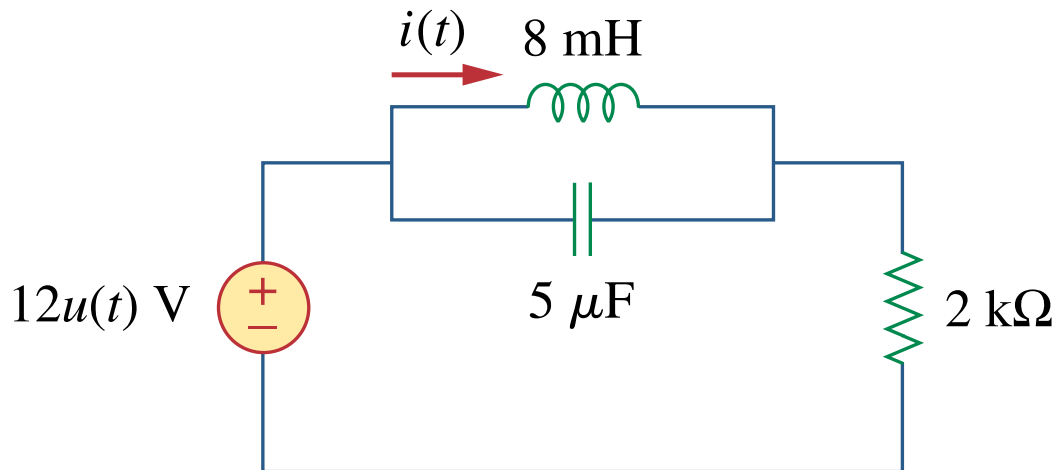


**Figure 7.85**  
For Prob. 7.5.

## HW 6:

### Chapter 8, Problem 46.

Find  $i(t)$  for  $t > 0$  in the circuit of Fig. 8.93.

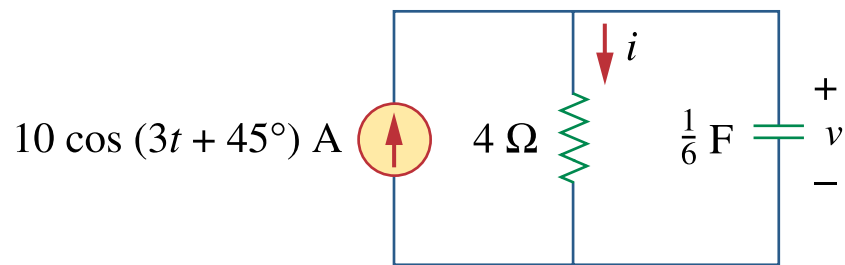


**Figure 8.93**  
For Prob. 8.46.

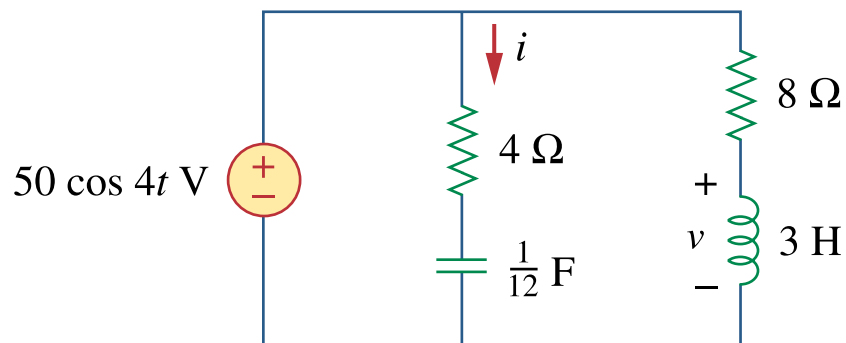
## HW 7:

### Chapter 9, Problem 38.

Find  $i(t)$  and  $v(t)$  in each of the circuits of Fig. 9.45.



(a)



(b)

**Figure 9.45**  
For Prob. 9.38.