Chapter 9, Problem 38.

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

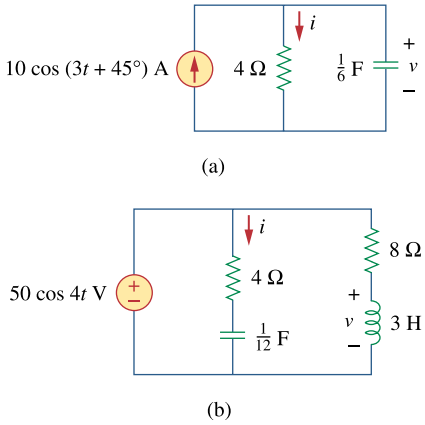

Figure 9.45
For Prob. 9.38.

Chapter 9, Problem 49.

Find $v_s(t)$ in the circuit of Fig. 9.56 if the current i_x through the 1-Ω resistor is 0.5 sin 200t A.

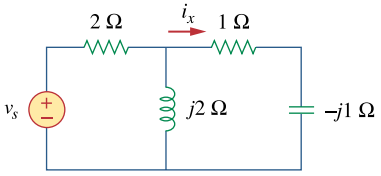

Figure 9.56
For Prob. 9.49.

Chapter 9, Problem 57.

At $\omega = 1$ rad/s, obtain the input admittance in the circuit of Fig. 9.64.

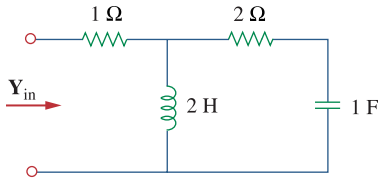

Figure 9.64
For Prob. 9.57.

Chapter 9, Problem 64.

Find $\mathbf{Z}_T$ and $\mathbf{I}$ in the circuit of Fig. 9.71.

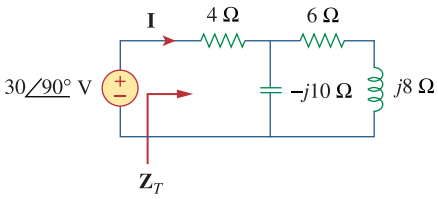

Figure 9.71
For Prob. 9.64.

Chapter 14, Problem 48.

Find the transfer function $\mathbf{V}_o/\mathbf{V}_s$ of the circuit in Fig. 14.86. Show that the circuit is a lowpass filter.

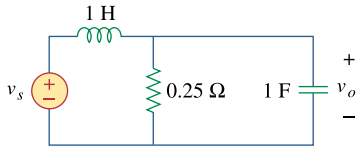

Figure 14.86
For Prob. 14.48.

Chapter 14, Problem 50.

Determine what type of filter is in Fig. 14.87. Calculate the corner frequency f_c.

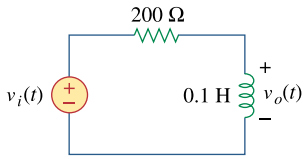

Figure 14.87
For Prob. 14.50.