**Chapter 11, Problem 6.**

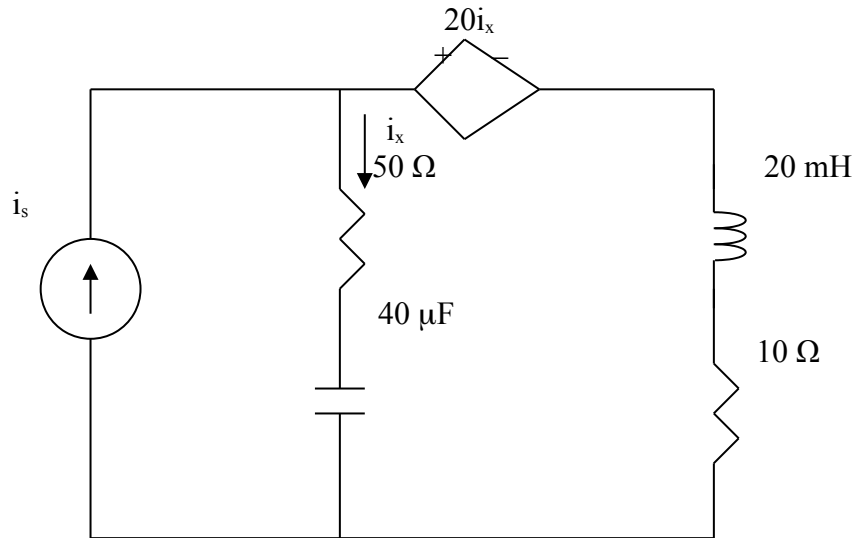For the circuit in Fig. 11.38, $i_s = 6\cos 10^3 t$ A. Find the average power absorbed by the 50-$\Omega$ resistor.



Figure 11.38
For Prob. 11.6.