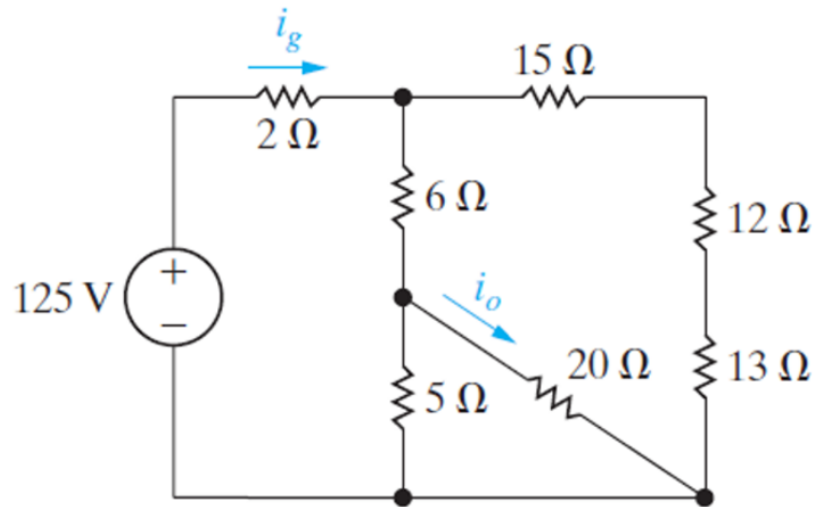


# ENGR 065 Electric Circuits

Lecture: Final Review  
(additional sample questions)

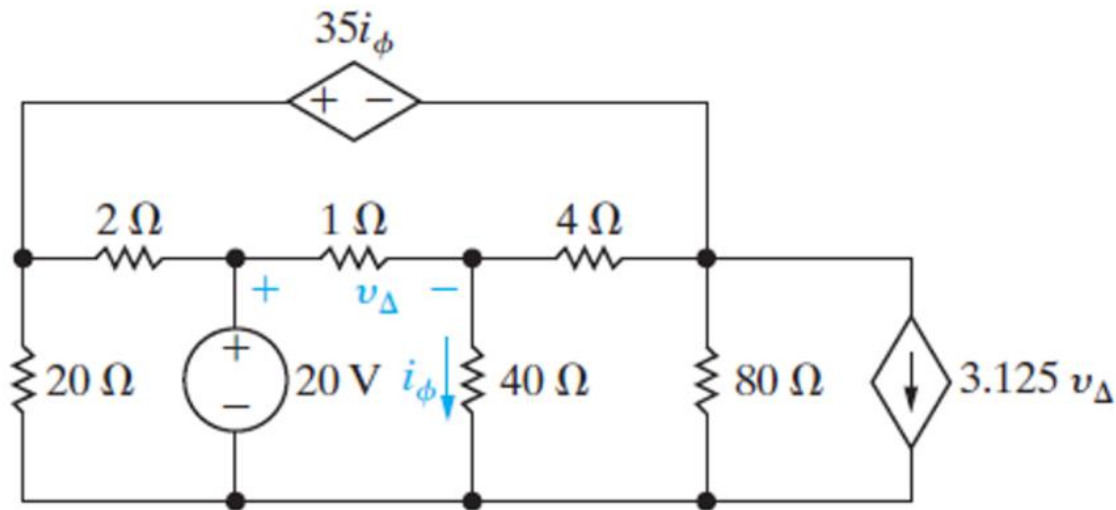
# Sample Questions

Find  $i_g$  and  $i_o$  in the circuit. Then find the power associated with the voltage source.



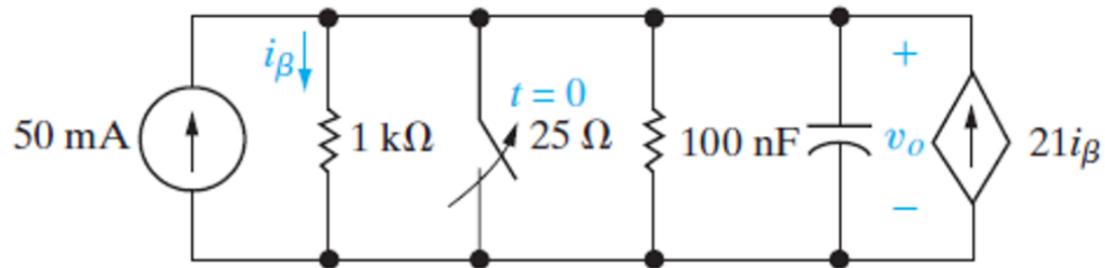
# Sample Questions

Find  $v_\Delta$  and  $i_\phi$  in the circuit above.



# Sample Questions

The switch for the circuit has been closed for a long time before opening at  $t = 0$ . Find  $v_o$  for  $t > 0$ .



# Sample Questions

Given the circuit below,

(a) Find the transfer function  $v_o/v_g$ .

(b) Find  $v_o$  if  $v_g = 0.6u(t)$  V.

(c) Find the steady state expression for  $v_o$  if  $v_g = 2 \cos 10,000t$  V.

