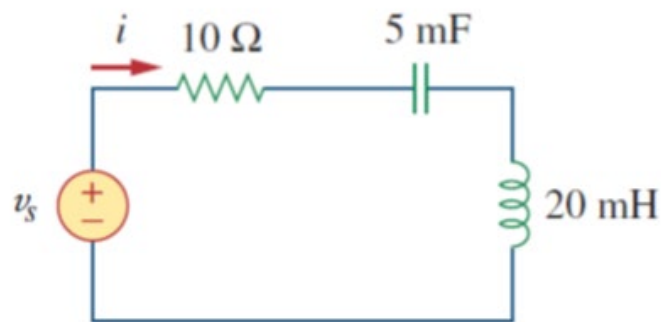




Assignment 2

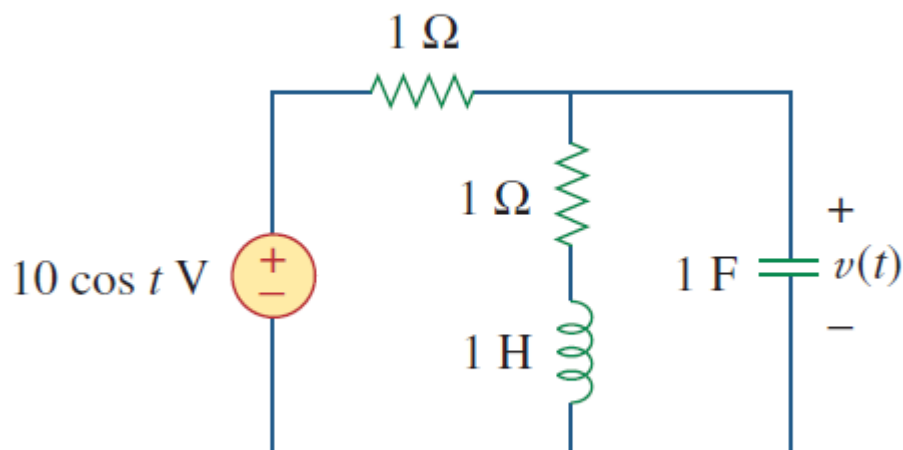
Q1)

Find current i in the circuit when
 $v_s(t) = 50 \cos 200t$ V.



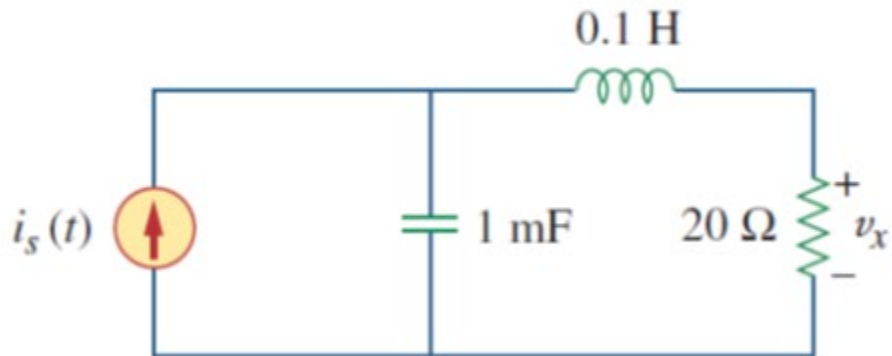
Q2)

Find $v(t)$ in the RLC circuit.



Q3)

Determine v_x in the circuit of Let $i_s(t) = 5 \cos(100t + 40^\circ)$ A.

**Q4)**

If $\mathbf{V}_o = 8 \angle 30^\circ \text{ V}$ in the circuit of find $\mathbf{I}_s$.

