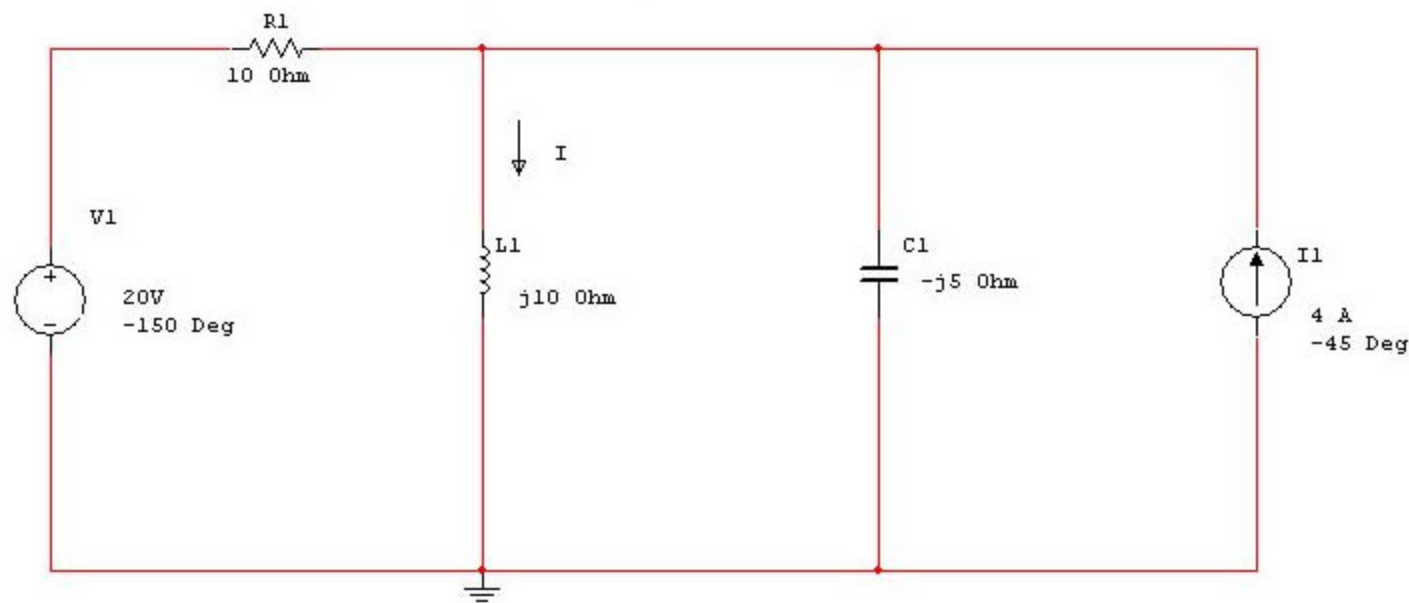


In the circuit below, find the current  $i(t)$  through the inductor.

$\omega = 10 \text{ rad/s}$



a.

$$i(t) = 2.81 \cos(10t - 130.98^\circ)\text{A}$$

b.

$$i(t) = 2.81 \cos(10t + 150.98^\circ)\text{A}$$

c.

$$i(t) = 3.81 \cos(10t + 150.98^\circ)\text{A}$$

d.

$$i(t) = 3.81 \cos(10t + 150.98^\circ)\text{A}$$