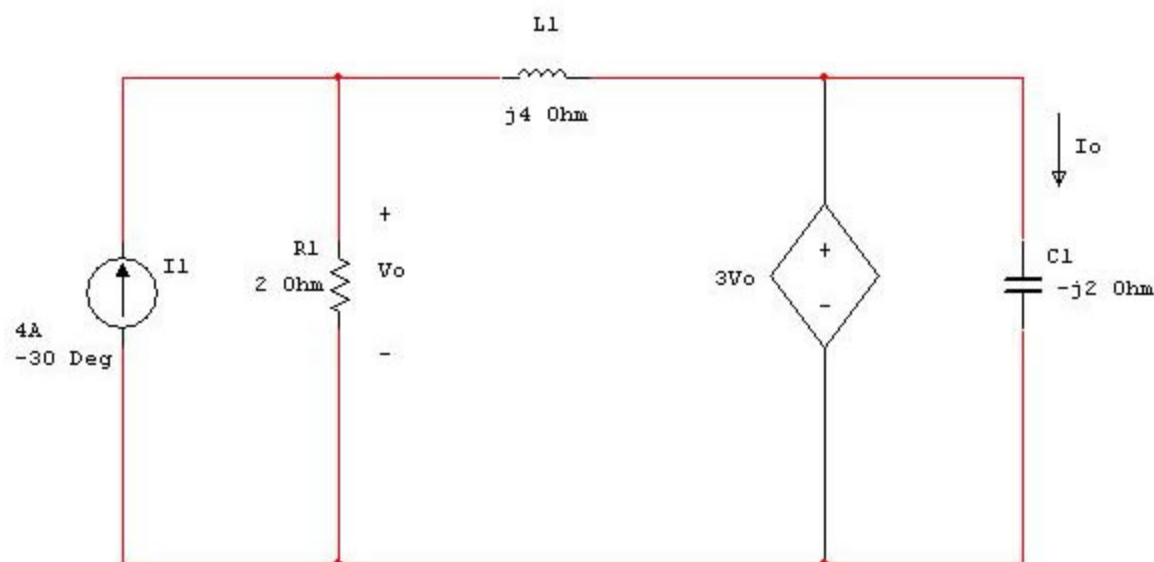


In the circuit below using mesh analysis calculate branch current  $I_o$ . Results should be in the phasor-domain.



a.

$$I_o = 8.495 \angle 15.0^\circ \text{ A}$$

b.

$$I_o = 7.790 \angle 84.4^\circ \text{ A}$$

c.

$$I_o = -7.790 \angle -15.0^\circ \text{ A}$$

d.

$$I_o = 8.790 \angle 54.4^\circ \text{ A}$$