

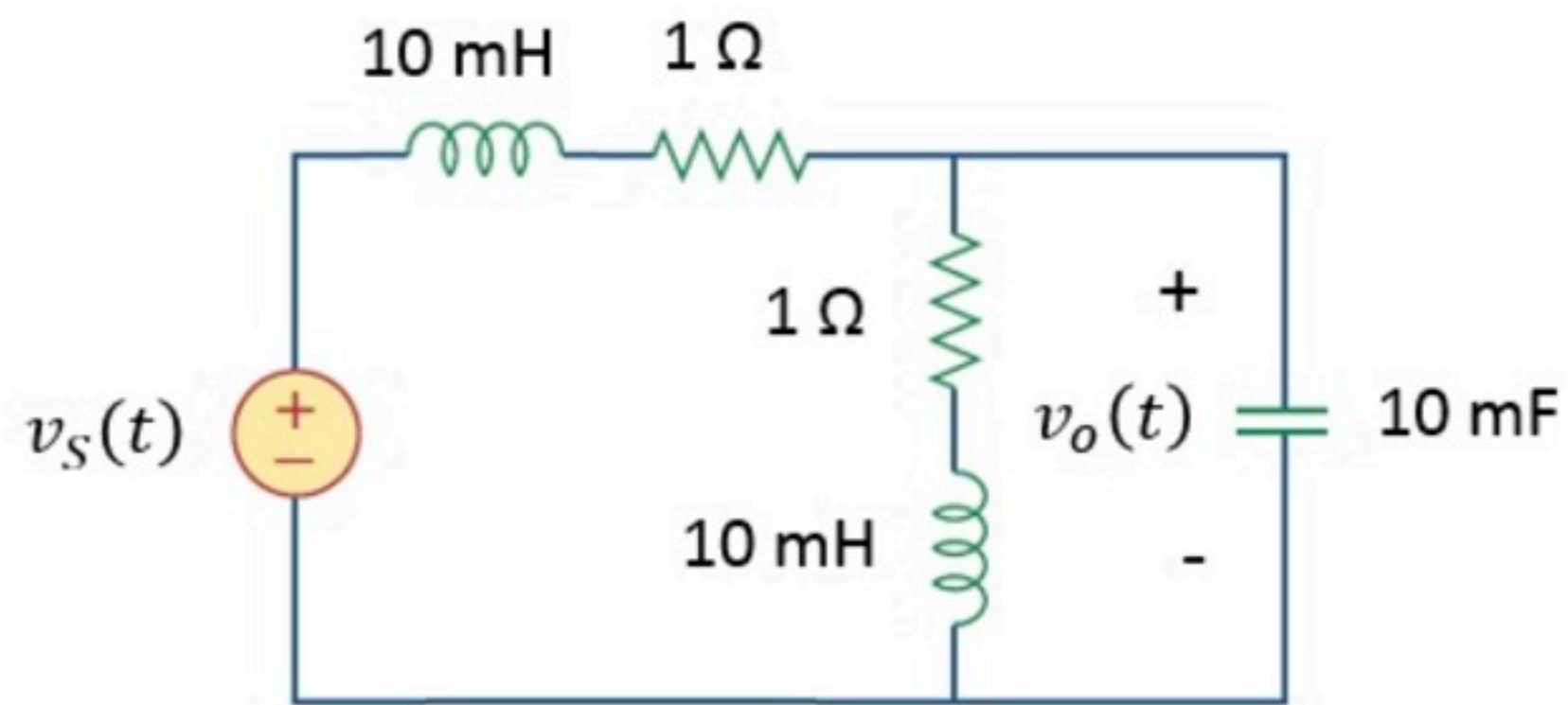
PP Phasors 013

Unlimited Attempts.

$$v_S(t) = 4\sqrt{2} \cdot \cos(100t + 30^\circ) \text{ V}$$

Find $v_o(t) = A \cdot \cos(W \cdot t + B)$.

(with $0 \leq A$ and $-180^\circ \leq B \leq 180^\circ$)



Given Variables:

...

Calculate the following:

A (V) :

4



W (rad/s) :

100



B (degrees) :

-15



Hint: Use voltage divider.