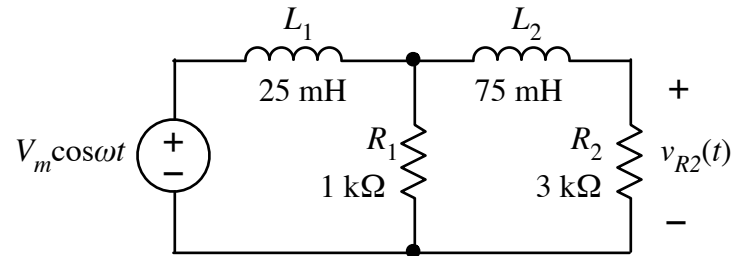


Use AC analysis to find the complex voltage across the resistor  $R_2$ .

The amplitude of the source is  $V_m = 10$  V, and the angular frequency is  $\omega = 40,000$  rad/s.

Express the result in magnitude/phase form.



$\mathbf{v}_{R2} =$  \_\_\_\_\_