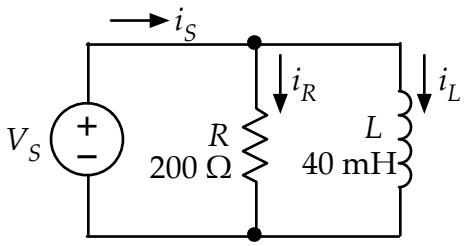
EE 201 — HW 6-13 Name_____

In the circuit shown at right, the voltage source is sinusoidal with

$v_S(t) = V_m\cos(\omega t)$,

where V_m = 10 V and ω = 5000 rad/s. Write the expression for the total current flowing through the source.

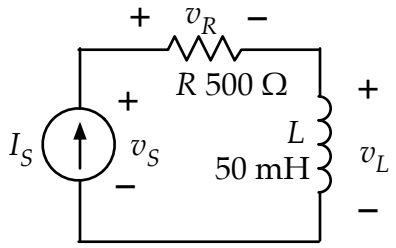


i_S = _____

In the circuit shown at right, the current source is sinusoidal with

$I_S(t) = I_m\sin(\omega t)$,

where I_m = 5 mA and ω = 10,000 rad/s. Write the expression for the total voltage across the source.



v_S = _____

Write your answers — and whatever work will fit — on this sheet. Staple any sheets with additional work behind.