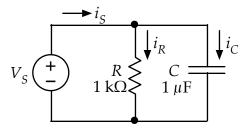
Name___

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

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

where $V_m = 5$ V and $\omega = 1000$ rad/s. Write the expression for the total current flowing through the source.

is = _____



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

 $I_{S}(t) = I_{m} \sin(\omega t),$

where $I_m = 2$ mA and $\omega = 5000$ rad/s. Write the expression for the total voltage across the source.

 $v_S =$

