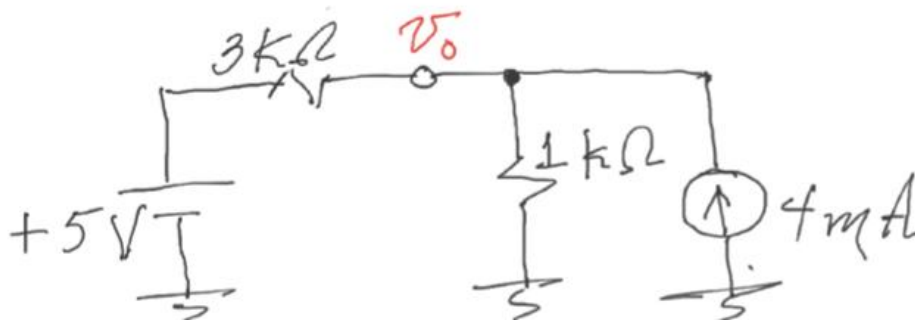


Name: \_\_\_\_\_

1.- Use Thevenin Equivalent to find  $v_o$ 

2.- A temperature sensor is specified to provide  $2\text{ mV}/^\circ\text{C}$ . When connected to a load resistance of  $10\text{ k}\Omega$ , the output voltage was measured to change by  $10\text{ mV}$ , corresponding to a change in temperature of  $20^\circ\text{C}$ . What is the source resistance of the sensor?