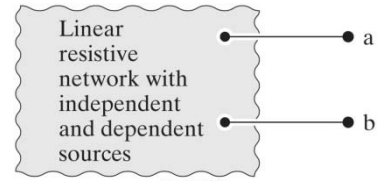


NAME _____

Supplemental Problem:

Please answer the following questions for the circuit to the right.



The data in the table below was measured by attaching different load resistors R_L between the terminals a, b and measuring the voltage $v_L = v_{ab}$ across R_L .

R_L (Ω)	v_L (V)
∞ (open circuit)	4.760
15.6	2.856
10.4	2.380

a) Find the Thevenin equivalent circuit model for the circuit and explain your reasoning.

b) If a load resistor with value $R_L = 5 \Omega$ is connected between terminals a, b, what voltage $v_L = v_{ab}$ would be measured across the load resistor?