Name: _____

MUS 348 / EE 480

Spring 2010
Lab experience #2

Procedures

P1. Construct the circuit shown in Fig. 1 on your prototype board. Use the lab power supply to provide the 8 volts and use the multimeter to accurately set the voltage to 8 volts. Measure voltages V_A , V_B , and V_C and record them on the figure (pay strict attention to the proper polarities). Also for each of these three measured voltages, show on the figure where the black and red wires from the multimeter were connected.

P2. Construct the circuit shown in Fig. 2 on your prototype board. Use the lab power supply to provide the 5 volts and use the multimeter to accurately set the voltage to 5 volts. Measure currents I_1 , I_2 , and I_3 following the polarities shown in the figure and record your measurements on the figure next to each of these current labels. Also for each of these three measured currents, show on the figure how the multimeter was connected into your circuit, including identifying the red and black wires of the multimeter on the figure.

Fig. 1

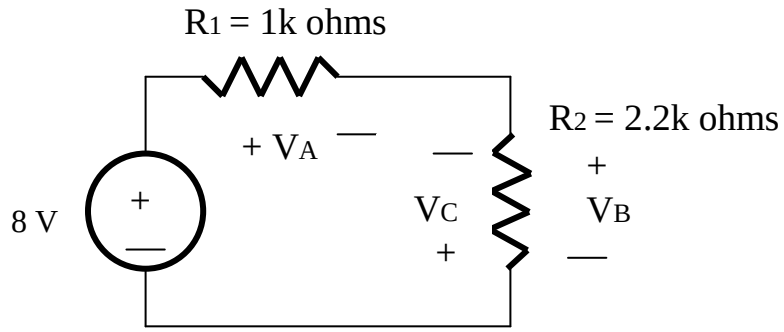

Fig. 2