

CECS 211 - LAB 1
Multisim 2001 and Ohms Law

NAME:

POSSIBLE POINTS: 10

STUDENT ID:

COURSE DATE & TIME:

OBJECTIVE:

- To learn how to create and simulate a circuit in Multisim 2001.
- Ohms Law, Voltage, Current, Resistance

DIRECTIONS:

Open Multisim 2001, Start -> All Programs -> Multisim 2001 -> Multisim 2001.

Now create a new circuit, File -> New.

Save this file as lab1.msm to a safe location, i.e. flashdrive.

Add a DC Voltage Source of 12V.

Add 1 Resistor, R1 across the voltage source. R1 will be 1K ohms.

Now before running the simulation, we want to add some measurement equipment.

Add 2 multimeters, one to measure current and the other to measure voltage across R1. Don't forget that in order to measure current, we have to insert the multimeter in series with our circuit.

Now run the simulation and record the values.

LAB WRITE-UP:

The lab write-up will include this page as the cover sheet and a printout of the schematic. You will annotate the schematic printout by writing out the calculation required for each multimeter used.