Introduction

(brief) on experiments performed in the lab and the electrical principles used to perform these experiments.

Using the DMM:

Short description of setup/experiment

Table 1

Percent Error calculations

Answers to any questions asked

Using the DC power supply:

Short description of setup/experiment

Voltages measured

Change in voltage because of reversed polarity

Using the Breadboard:

Description on the connection of holes within the breadboard

Verifying Ohm’s Law:

Short description of setup/experiment

Table 2

Voltage vs Current Plot

Ohm’s Law

calculations of resistance

Answers to any questions asked

Equivalent Resistance:

Short description of setup/experiment(s)

Measured resistance

Theoretical resistance (show work)

Voltage Divider:
Short description of setup/experiment

Voltage divider equations

Answers to any questions asked

Table 3

Table 4

Comparison of measured and calculated values *Include equations, calculations, labeled tables and plots.

Make sure all questions are answered