

Student Name:

## Resistors and Circuits Assignment

Answer the following questions, showing your calculations.

- a. You have a 10 volt parallel circuit, with 2 resistors on it. What is the voltage across the first resistor? Across the second?

- b. You have the same two resistors on a 10 volt series circuit. Will the voltage going into the second resistor be more, less, or the same as that going into the first resistor? Exact numbers aren't needed!

- c. You have a series circuit with a current of 6 amps and three resistors on it, with resistances of 10 ohms, 5 ohms, and 6 ohms, respectively. What is the voltage of this circuit? Show your calculation.