## Kirchoff's Rule's Lab (Feb 06, 2009)

## **Electronic Simulator Version**

Name

1. NEATLY draw a circuit that can be used to verify Kirchoff's rules. It is to be drawn so that it takes up about 80% of the space below. Use the 10 Volt battery they provided and any combination of resistors they provide.

- 2. Using the online circuit simulator, create your circuit and use the Voltmeter and ammeter to get the voltage dropped by each resistor and the current though each resistor. On the original diagram you drew in question 1, label (1) the voltage drops across each resistor and (2) the currents through each resistor.
- 3. **On the back of this page** show with diagrams and words how Kirchoff's 2 rules work with your measured values. Be clear in your explanation of the rules and your support of them.