**Ohm’s Law**

**Notes:**

|  |  |
| --- | --- |
| **Voltage** |  |
| **Current** |  |
| **Resistance** |  |

**Lab Data:**

**Resistance of the resistor = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **Number of Batteries** | **Voltage (V)** | **Current (A)** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |

**Line of best fit equation:**

 **\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Write the relationships you observed between voltage, current, and resistance:**

**Try to come up with an equation relating voltage, current, and resistance:**