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| **CASE/SOURCE BASED QUESTION**  An experiment is conducted to study the relationship between voltage (V) and current (I) across a resistor. The following readings are obtained:     1. Verify whether the given data follows Ohm’s law. Show your calculations. 2. Determine the resistance of the resistor used in the experiment. 3. Plot a graph of voltage (V) versus current (I). What type of graph do you obtain? 4. From the graph, how can you determine the resistance of the resistor? |