The National Orthodox School Shmaisani

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Subject: Physics **Title: Ohm's Law**

Name: **Grade-Section: 8 CS _____**

Date: **Mark: ____/5**

Solve the following questions showing your work:

1) What is the resistance of a component if the current going through it is 36A and the voltage across it is 12V?

2) What is the voltage across a component with a resistance of 130 Ω that has a current of 2.5A going through it?

3) What is the current through a component if the component has a resistance of 4.5 Ω and the voltage across the resistor is 60V?

4) If the current through a 10Ω component is 16A, what is the voltage across the component?

5) What voltage is necessary to produce a current of 200 amperes through a component of 10 Ω?