

Name: _____ Date: _____

Ohms Law Worksheet 1

Apply the Ohm's Law Circle to find the missing values. Label units on your answer.

1. $V = 12\text{Volts}$ $R = 12\text{ Ohms}$ $A = \underline{\hspace{2cm}}$

2. $V = \underline{\hspace{2cm}}$ $R = 120\text{ Ohms}$ $A = 0.1\text{ Amps}$

3. $V = 100\text{ Volts}$ $R = 100\text{hms}$ $A = \underline{\hspace{2cm}}$

4. $V = 50\text{ Volts}$ $R = \underline{\hspace{2cm}}$ $A = 50\text{Amps}$

5. $V = \underline{\hspace{2cm}}$ $R = 30\text{ Ohms}$ $A = .001\text{ Amps}$

6. $V = 40\text{ Volts}$ $R = \underline{\hspace{2cm}}$ $A = .005\text{ Amps}$

7. $V = 12\text{ Volts}$ $R = 1000\text{ Ohms}$ $A = \underline{\hspace{2cm}}$

8. $V = \underline{\hspace{2cm}}$ $R = 500\text{ Ohms}$ $A = .024\text{ Amps}$

9. $V = \underline{\hspace{2cm}}$ $R = 1200\text{ Ohms}$ $A = .012\text{ Amps}$

10. $V = 12\text{Volts}$ $R = \underline{\hspace{2cm}}$ $A = 3\text{ Amps}$