**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4-1 Ohm’s Law and Watt’s Law Practice**: Solving a Series Circuit with a Single Load

+

-

R1

P

I

E

E

I

R

**E = IR P = IE**

**Write Equations, Show Work, and Circle Answers**

1. Given R1 = 80Ω and the source voltage is 24V, find the current (I) and the Power (P).
2. Given P = 20W and I = 12A, find Resistance (R1) and Voltage (E).
3. Given voltage (E) = 120V and Power (P) = 200W, find Current (I) and Resistance (R1).