

Work each of the following problems. **SHOW ALL WORK.**

5. Two resistors, one with 6 ohms of resistance and the other with 8 ohms of resistance, are connected in series to a 9 Volt battery. What is the power dissipated by these two resistors?
6. If the two resistors in the previous question were arranged in parallel, what would be the power dissipated by the two resistors?
7. Each resistor in the circuit below has a resistance of 2 ohms. If the potential difference supplied by the batteries in the circuit is 6 Volts, how much power is dissipated?



