

Series and Parallel Circuits

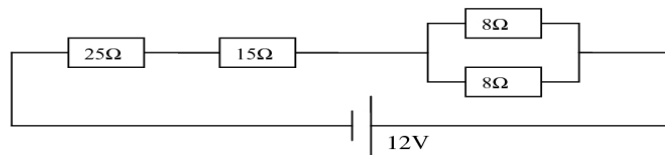
Name: _____ Date: _____

1. A circuit is set up with two parallel resistors, each of a resistance of 250Ω .
 - a. What is the total resistance for this circuit?

 - b. If another resistor of resistance 300Ω is added in series with these two parallel resistors, what is the total resistance?

 - c. If a voltage of 120V is put across the circuit in b, what will the current be in the circuit?

2. A series/parallel circuit is set up as shown below. Find the total resistance of the circuit and the current in the circuit.



3. Find the total resistance and the current for the circuit below:

