**Parallel and Series Circuits: Math Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **1** | **2** |
|  |  |
| What is the total resistance? | What is the voltage on the 10 ohm branch? |
| What is the total current? | What is the current on the 50 ohm branch? |
| What is the voltage drop on the 100 ohm resistor? | What is the current on the 10 ohm branch? |
| What is the voltage drop on the 50 ohm resistor? | What is the total current of this circuit? |
| **3** | **4** |
|  |  |
| What is the voltage on the 50 ohm branch? | What is the total resistance? |
| What is the current on the 100 ohm branch? | What is the total current? |
| What is the current on the 50 ohm branch? | What is the voltage drop on the 10 ohm resistor? |
| What is the total current of this circuit? | What is the voltage drop on the 50 ohm resistor? |