Skills Exploration Watt's Law Assignment

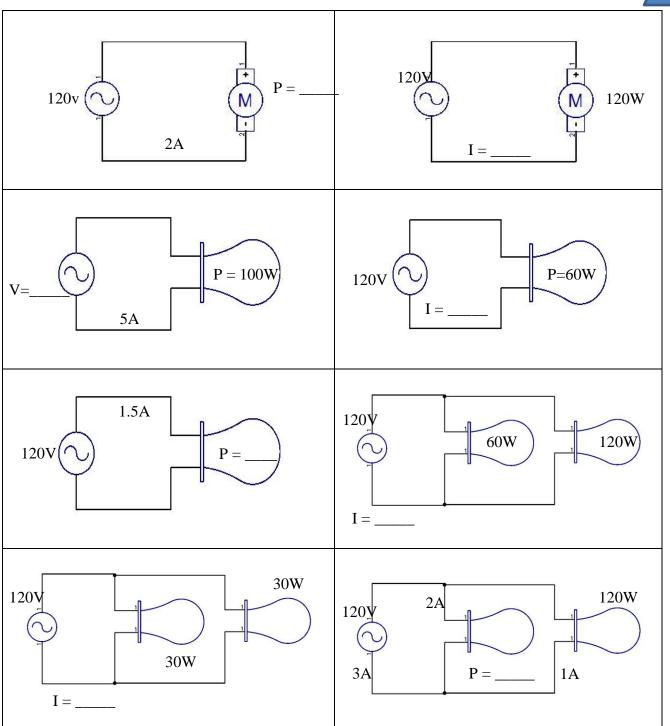
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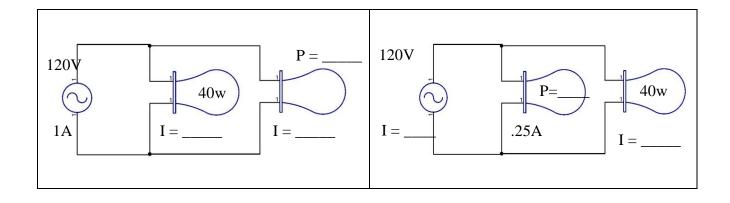
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Calculate the missing $\underline{\text{values}}$ for voltage, current or Watts using Watt's Law (P = V x I)







Answer the following Power/Current questions about the different loads in the room. The **Voltage** in the room is **120V**

- 1) What is the maximum current in amps of the Green Mitre Saw?
- 2) What is the maximum current in amps of the Black Table Saw?
- 3) What is the maximum wattage of the microwave. How much current is it drawing?
- 4) What wattage is the heat gun? How many heat guns could be on a circuit before they trip a 15amp?
- 5) What is the maximum output of a laptop power supply in Watts and amps?
- 6) The florescent lights in the room are 30watts each. When all the lights are on, what is the total wattage of them all and what is the total current being used?