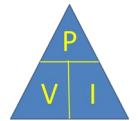


Construction Sampler

Watt's Law Assignment

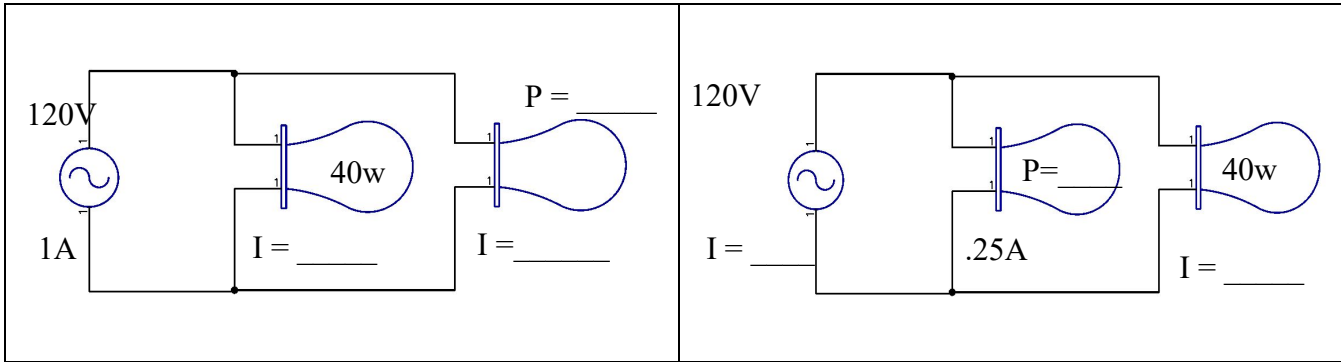
Name: _____

Mark /24



Calculate the missing values for voltage, current or Watts using Watt's Law ($P = V \times I$)

<p>120V 2A P = _____</p>	<p>120V 120W I = _____</p>
<p>V = _____ 5A P = 100W</p>	<p>120V I = _____ P = 60W</p>
<p>120V 1.5A P = _____</p>	<p>120V I = _____ 60W 60W</p>
<p>120V I = _____ 60W 1A P = _____</p>	<p>120V 3A P = _____ 120W 1A</p>



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

- 1) What is the rated current and voltage of the Sawstop Table Saw?
- 2) What is the Total amount of current draw between the 3 Mitre Saws (Bosch, Hitachi, Dewalt)
- 3) How many Watts of energy does the large air compressor produce?
- 4) How much current draw (Amps) total between the Milwaukee Sawzall, Jigsaw and circular saw?

Can you run all 3 off a 2500watt generator at the same time?

- 5) Each florescent light in the room is 30 watts. When all the lights are on...

What is the total wattage of them all?

What is the total current being used?

- 6) How many Dewalt 20V battery chargers can be on a single 15A circuit?