

Pie Charts for Ohm's Law

If you memorize this table and the pie charts, you will be able to answer all the Ohm's Law questions correctly.

Symbol	Stands For	Units
P	Power	watts
I	Current	amperes
E	Voltage	volts
R	Resistance	ohms

The first one is **PIE**. Yum. (Or as Paul says, *Pass It Easy*)

$$P = I \times E$$

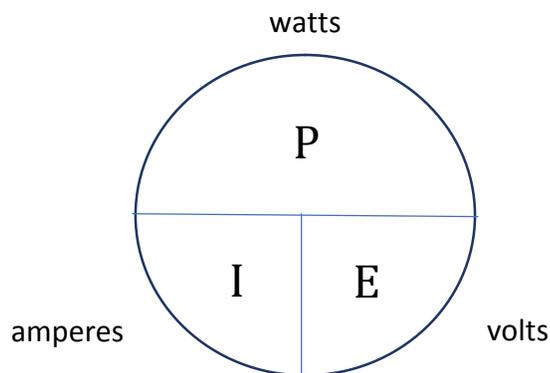
power = current x voltage

watts = amperes x volts

And

$$I = P/E \quad \text{amperes} = \text{watts/volts}$$

$$E = P/I \quad \text{volts} = \text{watts/amperes}$$



See the pattern?

Works the same for the second one...

Even **I'm Ready**

$$E = I \times R$$

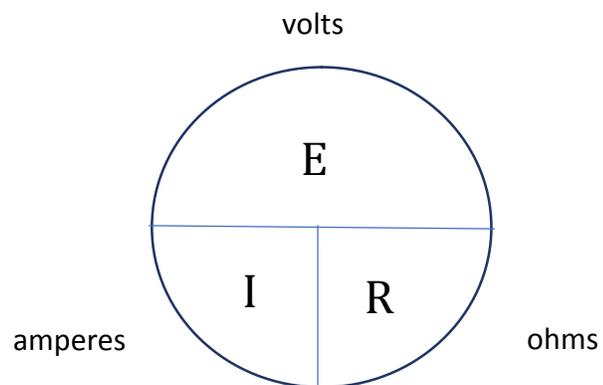
voltage = current x resistance

volts = amperes x ohms

And...

$$I = E/R \quad \text{amperes} = \text{volts/ohms}$$

$$R = E/I \quad \text{ohms} = \text{volts/amperes}$$



Redraw these yourself to help remember. And you can draw them on your scratch paper at the exam.