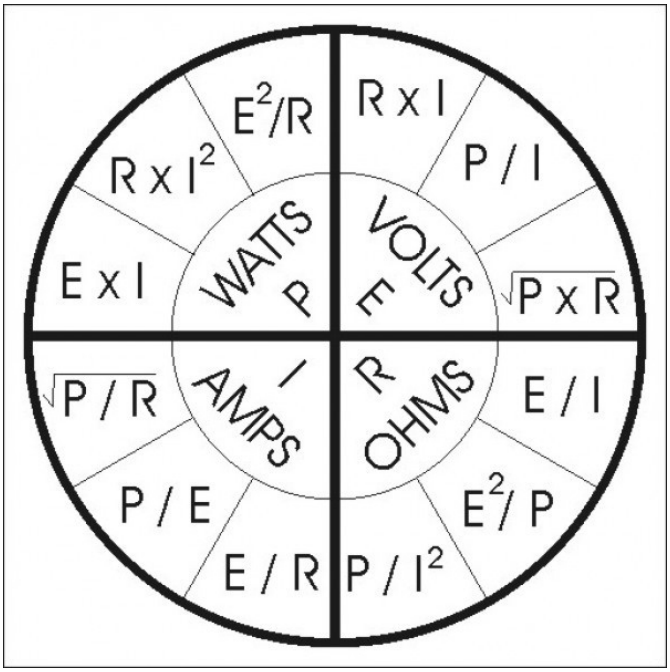
Ohm's Law



Click image above to use OHM Calculator.

Ohm's law is named after the German physicist Georg Ohm. Georg published his work in 1827. Georg's proven work states that a current moving through a conductor and between two points, is directly proportional to the potential difference spanning across the two points. Introducing the given constant of proportionality, the resistance, one will arrive at the usual mathematical equation that describes this relationship:

The combination of Ohm's law and Joule's law gives us 12 formulas to find 2 variables where the other 2 of the 4 variables are known. The wheel above is a handy tool and memory jogger. To use it, simply choose the quadrant corresponding to the variable you want to calculate, then select the segment corresponding to the variables that you know the values of which you know the values.