

Formulas

x or * is used to indicate multiply
pi is equal to 3.14

Rectangle

perimeter = $2(\text{length} + \text{width})$

area = $\text{length} * \text{width}$

Cube

volume = $(\text{length of side})^3$

Triangle

sum of angles = 180°

area = $\frac{1}{2}(\text{base} * \text{height})$

Circle

number of degrees in a circle = 360°

circumference = $\text{pi} * \text{diameter} = 3.14 * \text{diameter}$

area = $\text{pi} * (\text{radius})^2 = 3.14 * (\text{radius})^2$

Cylinder

volume = $\text{pi} * (\text{radius})^2 * \text{height} = 3.14 * (\text{radius})^2 * \text{height}$

Cone

volume = $\frac{1}{3} * \text{pi} * (\text{radius})^2 * \text{height}$

Ball or Sphere

volume = $\frac{4}{3} * \text{pi} * (\text{radius})^3$

Amperage

amps = watts/ volts amps = watts divided by volts