# Equations

## Area of Circle

The equation for area of a circle.

A = PI\*r^2

* **A**
  + Area of the circle
* **PI**
  + Mathematical constant that is the ratio of a circle's circumference to its diameter. PI, 3.14159265359...
* **r**
  + Radius of the cirlce. Radius = 1/2 \* Diameter.

## Hypotenuse

The equation for the hypotenuse of a right-angled triangle using Pythagorean Theorem.

C = Sqrt(a^2 + b^2)

* **C**
  + Length of the hypotenuse of a right triangle.
* **b**
  + Length of a side of a right triangle.
* **a**
  + Length of a side of a right triangle.