# 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.