Common Math Formulas

Area

Square

$A=s^2$

Where ***s*** is the length of a side of the square.

Rectangle

$A=LW$

L and ***W*** are the lengths and widths of the rectangle's sides.

Triangle

$A=12bh$

a, ***b***, and ***c*** are the lengths of the three sides.

Right Triangle

$A=\sqrt{s(s-a)(s-b)(s-c)}$

a, ***b***, and ***c*** are the side lengths and s is the semiperimeter, which is calculated with:

$s=\frac{a+b+c}{2}$

Circle

$A=\pi r2$

r stands for radius.

Perimeter

Square

$P=4s$

Where ***s*** is the length of a side of the square.

Rectangle

$P=2L+2W$

L and ***W*** are the lengths and widths of the rectangle's sides.

Triangle

$P=a+b+c$

a, ***b***, and ***c*** are the lengths of the three sides.

Right Triangle

$P=a+b+\sqrt{a^2+b^2}$

a and ***b*** are the lengths of the two legs.

Circle

$P= C = 2\pi r = \pi d$

r is the radius, and ***d*** is the diameter.