

GEOMETRIC AREA REFERENCE

Fundamental formulas for two-dimensional Euclidean shapes.

Square

$$A = s^2$$

s = side length

Rectangle

$$A = w \times l$$

w = width, l = length

Circle

$$A = \pi r^2$$

r = radius, $\pi \approx 3.14159$

Triangle

$$A = \frac{1}{2}bh$$

b = base, h = height

Parallelogram

$$A = bh$$

b = base, h = vertical height

Trapezoid

$$A = \frac{1}{2}(a+b)h$$

a, b = parallel sides, h = height