

GEOMETRIC AREA REFERENCE

SHAPE	AREA FORMULA	VARIABLES
Square	$A = s^2$	$s = \text{side}$
Rectangle	$A = w \times l$	$w = \text{width}, l = \text{length}$
Triangle	$A = \frac{1}{2}bh$	$b = \text{base}, h = \text{vertical height}$
Circle	$A = \pi r^2$	$\pi \approx 3.14159, r = \text{radius}$
Trapezoid	$A = \frac{1}{2}(a+b)h$	$a, b = \text{parallel sides}, h = \text{height}$
Parallelogram	$A = bh$	$b = \text{base}, h = \text{vertical height}$
Ellipse	$A = \pi ab$	$a = \text{semi-major axis}, b = \text{semi-minor axis}$
Sector	$A = \frac{1}{2}r^2\theta$	$r = \text{radius}, \theta = \text{angle in radians}$