

GEOMETRY REFERENCE: AREA FORMULAS

SHAPE	FORMULA	VARIABLES
Square	$A = s^2$	$s = \text{side}$
Rectangle	$A = l \times w$	$l = \text{length}, w = \text{width}$
Triangle	$A = \frac{1}{2}bh$	$b = \text{base}, h = \text{height}$
Circle	$A = \pi r^2$	$\pi \approx 3.14, r = \text{radius}$
Parallelogram	$A = bh$	$b = \text{base}, h = \text{height}$
Trapezoid	$A = \frac{1}{2}(b_1 + b_2)h$	$b_1, b_2 = \text{bases}, h = \text{height}$
Ellipse	$A = \pi ab$	$a, b = \text{semi-axes}$