

ESSENTIAL MATH: SHAPE AREA REFERENCE

Shape	Area Formula	Variable Key
Square	$A = s^2$	s = side
Rectangle	$A = l \times w$	l = length, w = width
Triangle	$A = \frac{1}{2}bh$	b = base, h = height
Circle	$A = \pi r^2$	$\pi \approx 3.1415$, r = radius
Trapezoid	$A = \frac{1}{2}(a+b)h$	a, b = parallel sides, h = height
Parallelogram	$A = bh$	b = base, h = height
Ellipse	$A = \pi ab$	a = semi-major axis, b = semi-minor