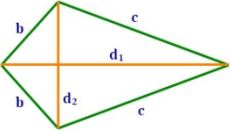
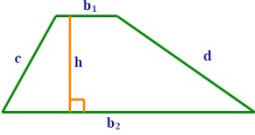
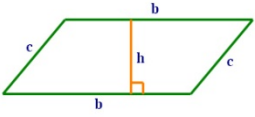
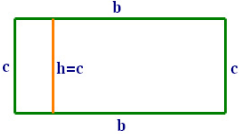
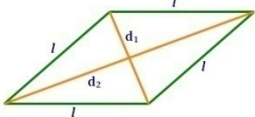
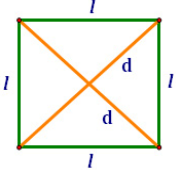
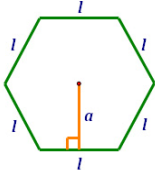
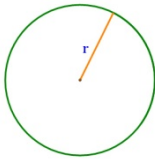
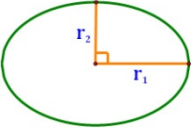


Pre-Algebra

Summary of Perimeter and Area Formulas – 2D Shapes

Shape	Figure	Perimeter	Area
Kite		$P = 2b + 2c$ <i>b, c = sides</i>	$A = \frac{1}{2}(d_1d_2)$ <i>d₁, d₂ = diagonals</i>
Trapezoid		$P = b_1 + b_2 + c + d$ <i>b₁, b₂ = bases</i> <i>c, d = sides</i>	$A = \frac{1}{2}(b_1 + b_2)h$ <i>b₁, b₂ = bases</i> <i>h = height</i>
Parallelogram		$P = 2b + 2c$ <i>b, c = sides</i>	$A = bh$ <i>b = base</i> <i>h = height</i>
Rectangle		$P = 2b + 2c$ <i>b, c = sides</i>	$A = bh$ <i>b = base</i> <i>h = height</i>
Rhombus		$P = 4l$ <i>l = side</i>	$A = lh = \frac{1}{2}(d_1d_2)$ <i>d₁, d₂ = diagonals</i>
Square		$P = 4l$ <i>l = side</i>	$A = l^2 = \frac{1}{2}(d_1d_2)$ <i>d₁, d₂ = diagonals</i>
Regular Polygon		$P = nl$ <i>n = number of sides</i> <i>l = side</i>	$A = \frac{1}{2} a \cdot P$ <i>a = apothem</i> <i>P = perimeter</i>
Circle		$C = 2\pi r = \pi d$ <i>r = radius</i> <i>d = diameter</i>	$A = \pi r^2$ <i>r = radius</i>
Ellipse		$P \approx 2\pi \sqrt{\frac{1}{2}(r_1^2 + r_2^2)}$ <i>r₁ = major axis radius</i> <i>r₂ = minor axis radius</i>	$A = \pi r_1 r_2$ <i>r₁ = major axis radius</i> <i>r₂ = minor axis radius</i>