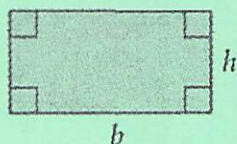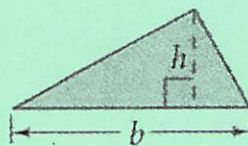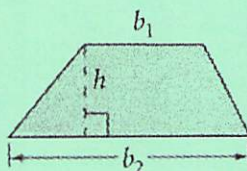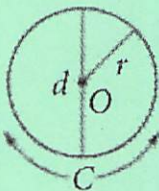|	
$a^2 + b^2 = c^2$	**Right Triangle** (Pythagorean Theorem)
$a^2 + b^2 > c^2$	**Acute Triangle**
$a^2 + b^2 < c^2$	**Obtuse Triangle**
Area of a Rectangle	$A = bh$
Area of a Parallelogram	$A = bh$
Area of a Triangle	$A = \dfrac{1}{2}bh$
Area of a Trapezoid	$A = \dfrac{1}{2}h(b_1 + b_2)$
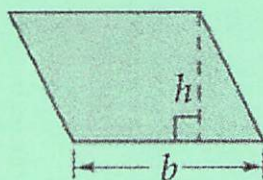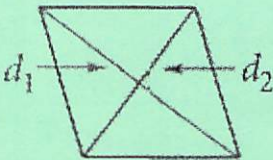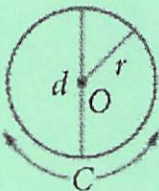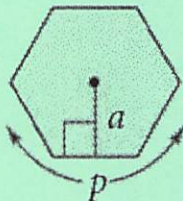
Area of a Rhombus/Kite	$A = \dfrac{1}{2} d_1 d_2$
Area of a Circle	$A = \pi r^2$
Circumference of a Circle	$C = 2\pi r$ $C = \pi d$
Area of a Regular Polygon	$A = \dfrac{1}{2} ap$ a apothem p perimeter
Pentagon	**5 – Sided Figure** Sum of Interior Angles = 540° ∠ Measure in Regular Pentagon = 108°
Hexagon	**6 – Sided Figure** Sum of Interior Angles = 720° ∠ Measure in Regular Hexagon = 120°
Octagon	**8 – Sided Figure** Sum of Interior Angles = 1080° ∠ Measure in Regular Octagon = 135°

Nonagon	### 9 – Sided Figure Sum of Interior Angles = $1260°$ $\angle$ Measure in Regular Nonagon = $140°$
Decagon	### 10 – Sided Figure Sum of Interior Angles = $1440°$ $\angle$ Measure in Regular Decagon = $144°$
Dodecagon	### 12 – Sided Figure Sum of Interior Angles = $1800°$ $\angle$ Measure in Regular Dodecagon = $150°$
n-gon	### *n* – Sided Figure Sum of Interior Angles = $(n-2) \cdot 180$ $\angle$ Measure in Regular *n*-gon = $\dfrac{(n-2) \cdot 180}{\text{Sides}(n)}$