

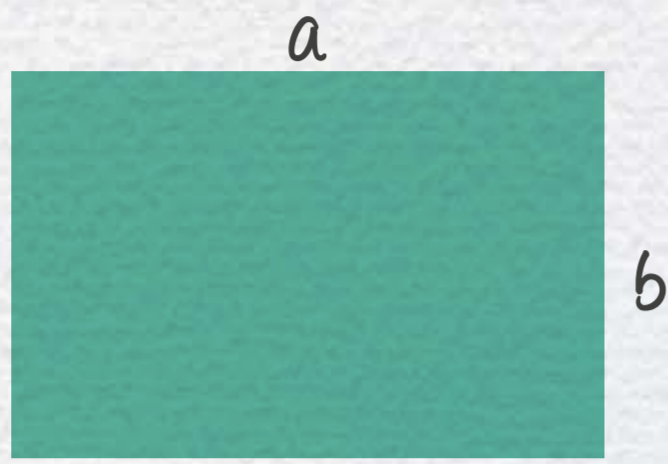
GEOMETRY - AREAS FOR 2 DIMENSIONAL SHAPES

SQUARE



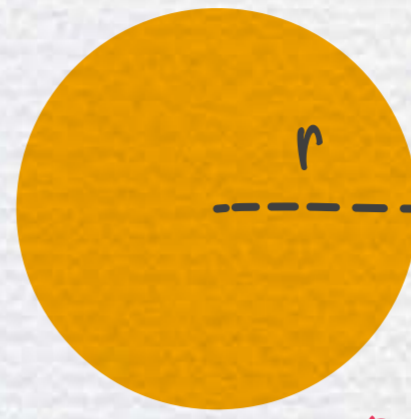
Area = a^2

RECTANGLE



Area = $a \times b$

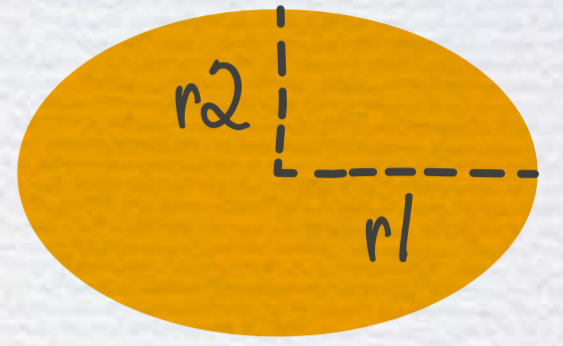
CIRCLE



Area = πr^2

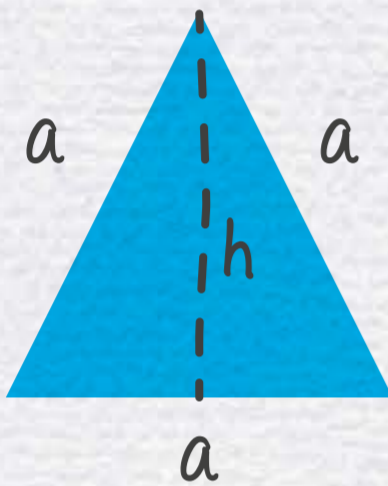
$\pi = 22/7$

ELLIPSE



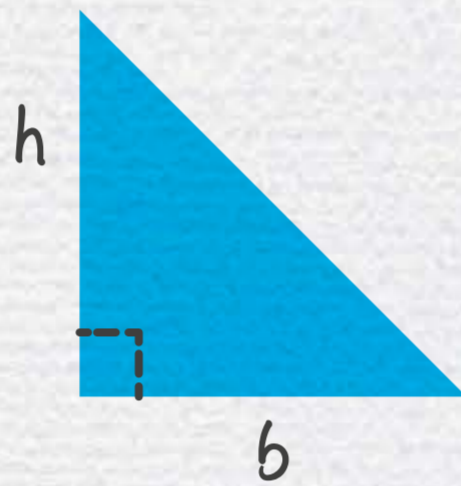
Area = $\pi \times r1 \times r2$

EQUILATERAL TRIANGLE



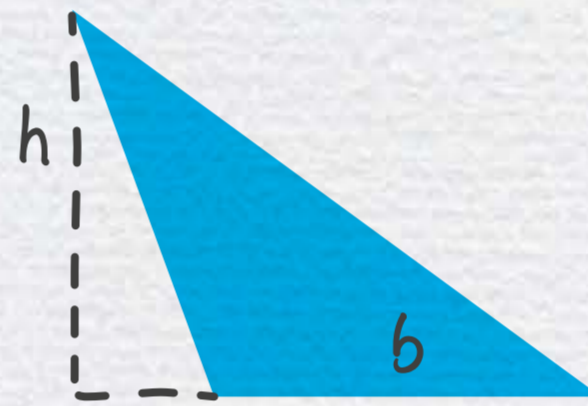
Area = $\sqrt{3}/4 \times a^2$

RIGHT ANGLE TRIANGLE



Area = $1/2 (b \times h)$

OBTUSE ANGLE TRIANGLE



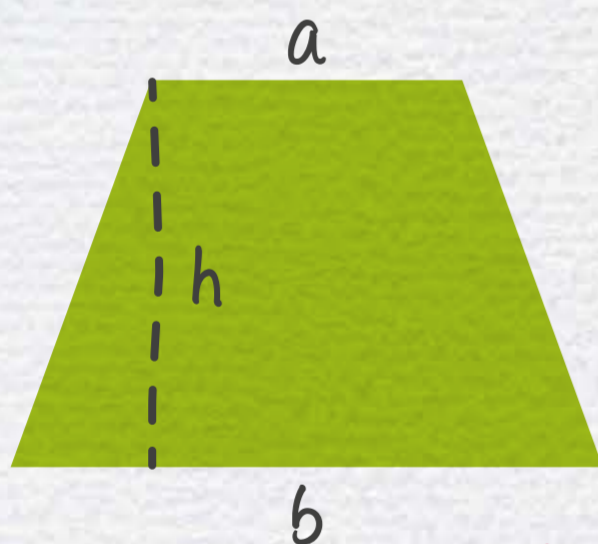
Area = $1/2 (b \times h)$

ISOSCELES TRIANGLE



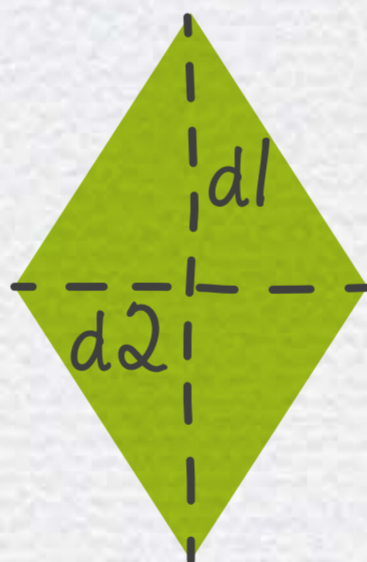
Area = $1/2 (b \times h)$
 = $1/2 \times a \times b \sin c$

TRAPEZIUM



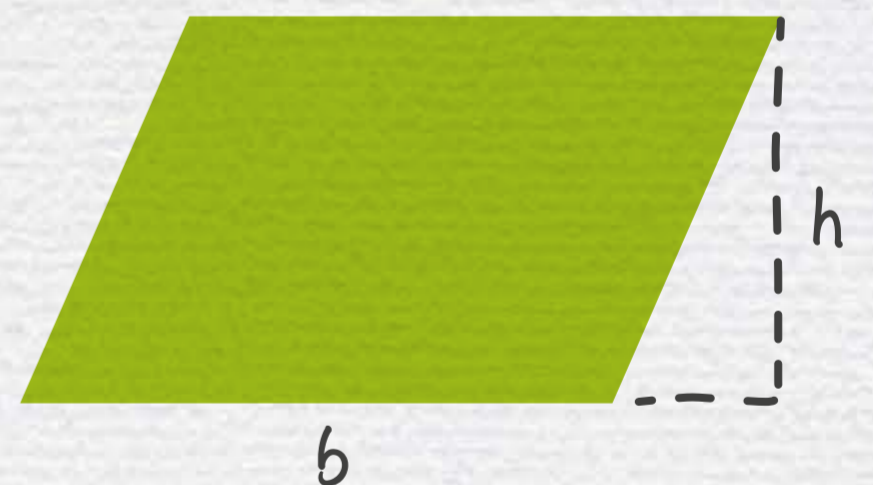
Area = $1/2 (a + b) \times h$

RHOMBUS



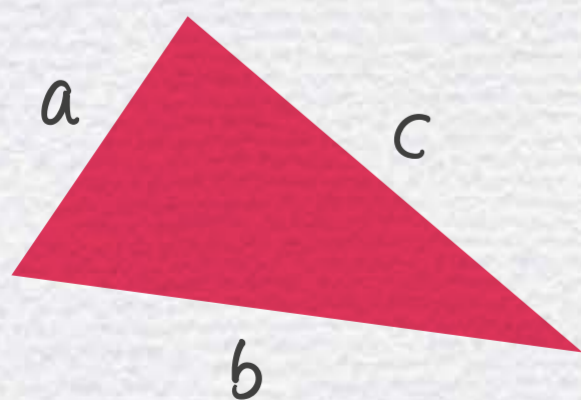
Area = $1/2 \times d1 \times d2$

PARALLELOGRAM



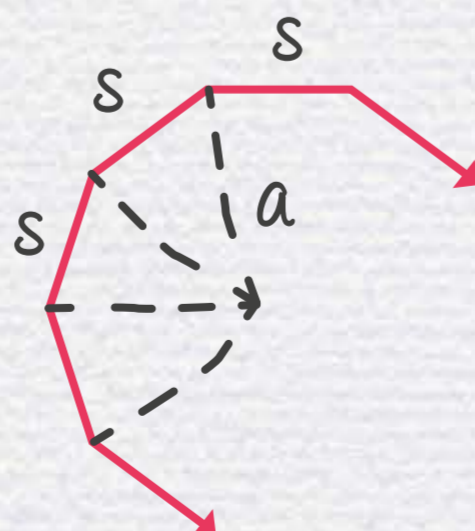
Area = $b \times h$

**SCALENE TRIANGLE:
LENGTH A, B, C**



Area = $\sqrt{s(s-a)(s-b)(s-c)}$
 Where $s = 1/2 (a+b+c)$

REGULAR N-GON



n = number of sides
 a = length from centre to corner

Area = $(1/2) n \sin (360/n) a^2$