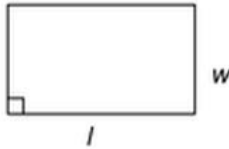


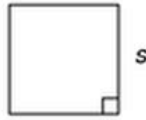
GEOMETRIC FORMULAS

Rectangle



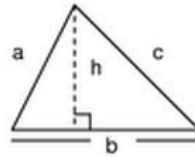
Perimeter: $P = 2l + 2w$
 Area: $A = lw$

Square



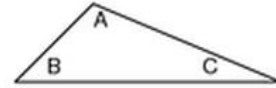
Perimeter: $P = 4s$
 Area: $A = s^2$

Triangle



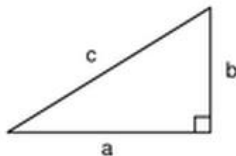
Perimeter: $P = a + b + c$
 Area: $A = \frac{1}{2} b h$

Sum of Angles Of Triangle



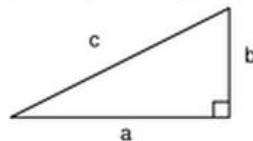
$A + B + C = 180^\circ$
 The sum of the measures of the three angles is 180° .

Right Triangle



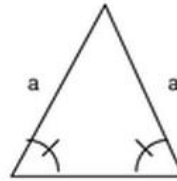
Perimeter: $P = a + b + c$
 Area: $A = \frac{1}{2} ab$
 One 90° (right) angle

Pythagorean Theorem (for right triangles)



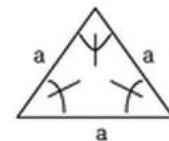
$a^2 + b^2 = c^2$

Isosceles Triangle



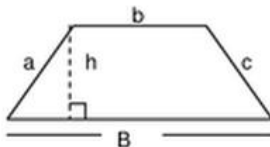
Triangle has two equal sides and two equal angles.

Equilateral Triangle



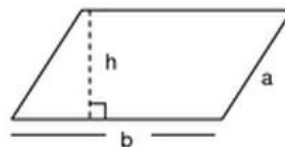
Triangle has three equal sides and three equal angles.

Trapezoid



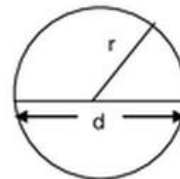
Perimeter: $P = a + b + c + B$
 Area: $A = \frac{1}{2} h (B + b)$

Parallelogram



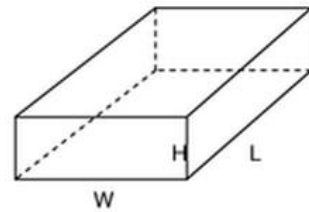
Perimeter: $P = 2a + 2b$
 Area: $A = bh$

Circle



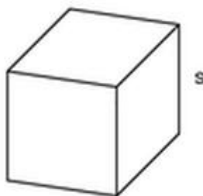
Circumference: $C = \pi d$
 $C = 2\pi r$
 Area: $A = \pi r^2$

Rectangular Solid



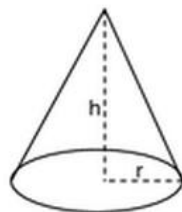
Volume: $V = LWH$
 Surface Area: $S = 2LH + 2LW + 2WH$

Cube



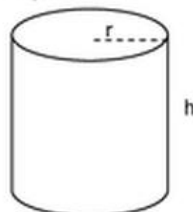
Volume: $V = s^3$

Cone



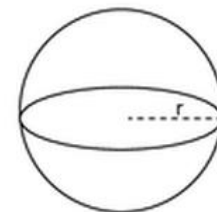
Volume: $V = \frac{1}{3} \pi r^2 h$

Right Circular Cylinder



Volume: $V = \pi r^2 h$
 Surface Area: $SA = 2\pi r^2 + 2\pi r h$

Sphere



Volume: $V = \frac{4}{3} \pi r^3$

Other Formulas:

Distance: $d = rt$ (r = rate, t = time)
 Percent: $p = br$ (p = percentage, b = base, r = rate)

Temperature: $F = \frac{9}{5} C + 32$ $C = \frac{5}{9} (F - 32)$

Simple Interest: $I = Prt$
 (P = principal, r = rate, t = time in years)