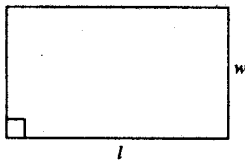


GEOMETRIC FORMULAS

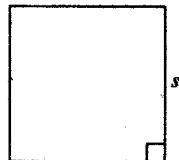
USE $\pi = 3.14$ or $\pi = \frac{22}{7}$

Rectangle



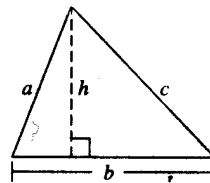
Perimeter: $P = 2l + 2w$
Area: $A = lw$

Square



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

Triangle



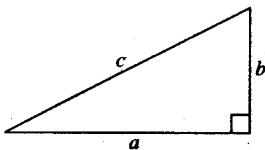
Perimeter: $P = a + b + c$
Area: $A = \frac{1}{2}bh$

Sum of Angles of Triangle



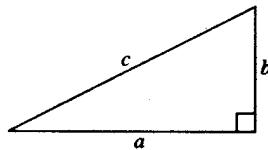
$A + B + C = 180^\circ$
The sum of the measures of the three angles is 180° .

Right Triangle



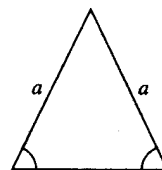
Perimeter: $P = a + b + c$
Area: $A = \frac{1}{2}ab$
One 90° (right) angle

**Pythagorean Theorem
(for right triangles)**



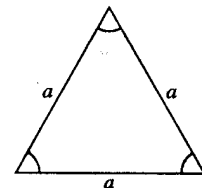
$a^2 + b^2 = c^2$

Isosceles Triangle



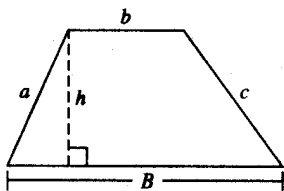
Triangle has:
two equal sides and
two equal angles.

Equilateral Triangle



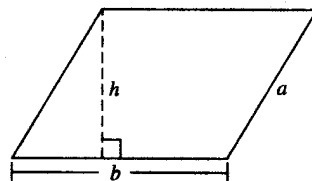
Triangle has:
three equal sides and
three equal angles.
Measure of each angle
is 60° .

Trapezoid



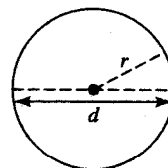
Perimeter:
 $P = a + b + c + B$
Area: $A = \frac{1}{2}h(B + b)$

Parallelogram



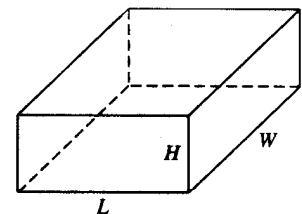
Perimeter: $P = 2a + 2b$
Area: $A = bh$

Circle



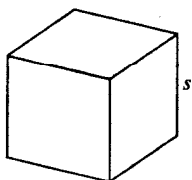
Circumference: $C = \pi d$
 $C = 2\pi r$
Area: $A = \pi r^2$

Rectangular Solid



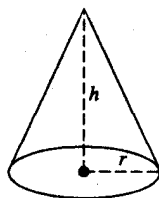
Volume: $V = LWH$

Cube



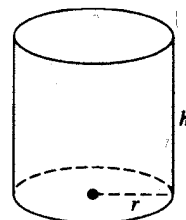
Volume: $V = s^3$

Cone



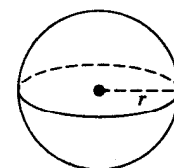
Volume: $V = \frac{1}{3}\pi r^2 h$

Right Circular Cylinder



Volume: $V = \pi r^2 h$

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 = annual interest rate,
 t = time in years)