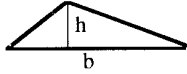


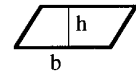
AREA FORMULAS

Triangle $A = \frac{1}{2}bh$



Parallelogram

$A = bh$

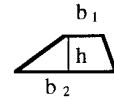


Square $A = s^2$

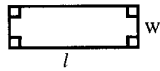


Trapezoid

$A = \frac{1}{2}h(b_1 + b_2)$

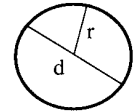


Rectangle $A = lw$



Circle $A = \pi r^2$

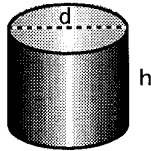
circumference $c = \pi d$



Cylinder

Lateral area $L = \pi dh$

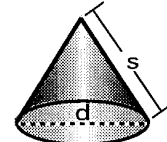
total area $A = \pi dh + 2\pi r^2$



Cone

Lateral area $L = \frac{\pi ds}{2}$

total area $A = \frac{\pi ds}{2} + \pi r^2$



(s = slant height)

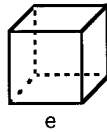
Sphere

$A = 4\pi r^2$



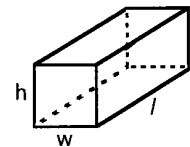
VOLUME FORMULAS

Cube $V = e^3$

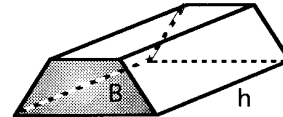
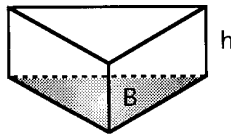


Rectangular Solid

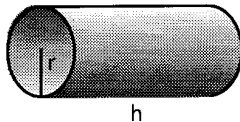
$V = lwh$



Prism $V = Bh$



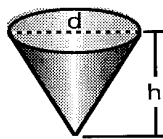
Cylinder $V = \pi r^2 h$



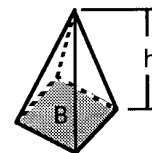
Sphere $V = \frac{4}{3}\pi r^3$



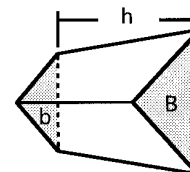
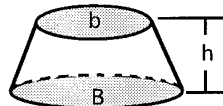
Cone $V = \frac{1}{3}\pi r^2 h$



Pyramid $V = \frac{1}{3}Bh$



Frustum $V = \frac{1}{3}h(B + b + \sqrt{bB})$



Pythagorean Theorem

(for right triangles only)

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

