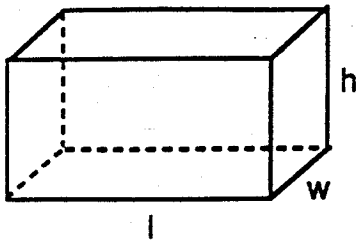


Formulas Helpsheet (cont'd)

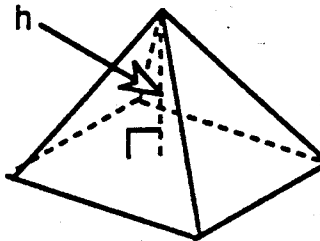
Volume Formulas

Rectangular Solid or Prism
 $V = lwh$



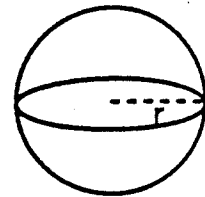
Pyramid

$V = \frac{Bh}{3}$ where B is the area of the Base of the pyramid



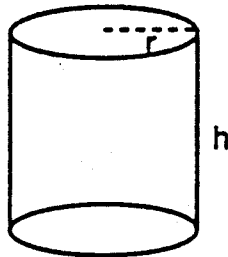
Sphere

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



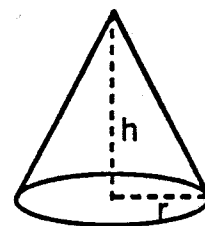
Right Circular Cylinder

$V = \pi r^2 h$



Right Circular Cone

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

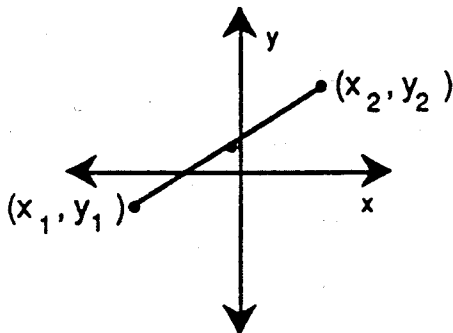


Analytic Geometry Formulas

Distance Formula

The distance d between two points (x_1, y_1) and (x_2, y_2) is given by

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$



Midpoint Formula

The coordinates (x_m, y_m) of the midpoint of the segment joining (x_1, y_1) and (x_2, y_2) are

$$(x_m, y_m) = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

