

## FORMULAS

Formula	Description
$V = \frac{1}{3} Bh$	Volume of a right circular cone and a pyramid
$A = 4\pi r^2$	Surface area of a sphere
$V = \frac{4}{3} \pi r^3$	Volume of a sphere
$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$	Distance formula
$\left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$	Midpoint formula
$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$	Slope
$s^2 = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}$	Variance
$s = r\theta$	Arc length
$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$	Quadratic formula