

List of Basic Math formulas

Algebraic Formulas	$(a+b)^2 = a^2 + 2ab + b^2$
Geometric Formulas	$A = \pi r^2$
Trigonometric Formulas	$\sin^2\theta + \cos^2\theta = 1$
Calculus Formulas	$d/dx(\int f(x) dx) = f(x)$
Statistical Formulas	$\bar{x} = (\sum_{i=1}^n nx_i) / n$
Probability Formulas	$P(A \cup B) = P(A) + P(B) - P(A \cap B)$
Number Theory Formulas	$a^2 + b^2 = c^2$
Differential Equations	$dy/dx = ky$
Matrix Formulas	$A \cdot B \neq B \cdot A$
Geometry Formulas	$V = 4/3\pi r^3$