

LEVEL 4 - Grades: 9-12

absolute error	normal curve
absolute function	number subsystems
absolute value	parallel box plot
acceleration	parameter
add radical expressions	parameter estimate
addition counting procedure	parametric equation
algebraic function	periodic function
angle of depression	permutation
arc	phase shift
arc under curve	pi
asymptote of function	point of tangency
base e	polar coordinates
binary system	polynomial
bivariate data	polynomial addition
bivariate data transformation	polynomial division
bivariate distribution	polynomial function
cartesian coordinates	polynomial multiplication
categorical data	polynomial solution by bisection
central angle	polynomial solution by sign change
central limit theorem	polynomial solution successive approximation
chord	polynomial subtraction
circle without center	population
circular function	postulate
classes of functions	powers
combination	precision of estimation
complex number	probability distribution
compound interest	proof paragraph
conditional probability	protractor
confidence interval	Pythagorean theorem
conjugate complex number	quartile deviation
continuity	radical expression
continuous probability distribution	radical function
control group	radius
correlation	random sampling technique
cosine	range of function
critical path method	rational function
curve fitting	real numbers
curve fitting median method	real-world function
decibel	reciprocal
density	recurrence equation
dependent events	recurrence relationship
derivation	recursive equation
dilation of object in a plane	reflection in plane
direct function	reflection in space
direct measure	regression coefficient
discrete probability	regression line
discrete probability distribution	relative error
divide radical expressions	representativeness of sample

domain of function	Richter scale
empirical verification	right triangle geometry
equivalent forms of equations	roots & real numbers
equivalent forms of inequalities	roots to determine cost
expected value	roots to determine profit
experimental design	roots to determine revenue
experimental probability	rotation in plane
exponent	sample statistic
exponential function	sampling distribution
factorial	scalar
factorial notation	series
Fibonacci sequence	series circuit
finite graph	sigma notation
force formal mathematical induction	similar figures
fraction inversion	sine
function composition	sinosoidal function
function notation	smallest set of rules
geometric function	speed
global/local behavior	spurious correlation
imaginary numbers	standard deviation
independent trials	statistic
indirect measure	statistical regression
inflection	step function
interest	strategy generation technique
inverse function	subtract radical expressions
irrational number	successive approximations
isometry	summary statistic
law of large numbers	surface area cone
law of probability	surface area sphere
limit	synthetic geometry
line segment	systems of inequalities
line segment congruence	tangent
line segment similarity	term
line through point not on a line	theorem
linear	theorem direct proof
linear equation	theorem indirect proof
log function	transversal
logarithm	treatment group
logarithmic function	trigonometric ratio
Mante Carlo simulation	trigonometric relation
mathematical theories	truth table proof
matrix	two-way tables
matrix addition	U.S. customary system
matrix division	unit analysis
matrix equation	univariate data
matrix inversion	univariate distribution
matrix multiplication	upper/lower bounds
matrix subtraction	validity
minimum/maximum of function	variance
monitor progress of a problem	vector

monomial	vector addition
multiply radical expressions	vector division
natural log	vector multiplication
natural number	vector subtraction
nature of deduction	velocity
negative exponent	vertex edge graph