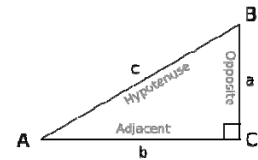
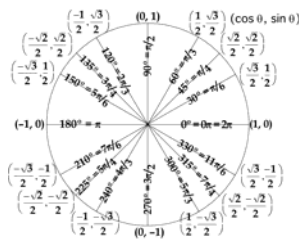


Glossary

High School Level Algebra **2** Glossary

English | Tagalog

Translation of Algebra 2 and Trigonometry terms based on the Coursework for Algebra 2 and Trigonometry Grades 9 to 12.



This glossary is to PROVIDE PERMITTED TESTING ACCOMMODATIONS of ELL/MLL students. It should also be used for INSTRUCTION during the school year. The glossary may be downloaded, printed and disseminated to educators, parents and ELLs/MLLs.

[Please click here for the New York State Office of Bilingual Education and World Languages Webpage on "Assessment and Testing Accommodations"](#)





THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

P-16

Office of Elementary, Middle, Secondary and Continuing Education and Office of Higher Education
Office of Bilingual Education and Foreign Language Studies

<http://www.emsc.nysed.gov/biling/>

THE UNIVERSITY OF THE STATE OF NEW YORK
Regents of the University

BETTY A. ROSA, <i>Chancellor</i> , B.A., M.S. in Ed., M.S. in Ed., M.Ed., Ed.D.	Bronx
T. ANDREW BROWN, <i>Vice Chancellor</i> , B.A., J.D.	Syracuse
NAN EILEEN MEAD, B.A.	Manhattan
JOSEPHINE VICTORIA FINN, B.A., J.D.	Albany
BEVERLY L. OUDERKIRK, B.S., M.S.	Saratoga
ELIZABETH S. HAKANSON	Onondaga
CATHERINE COLLINS, B.S., M.S., Ph.D.	West New York
JAMES R. TALLON, R., B.A., M.A.	Binghamton
ROGER TILLES, B.A., J.D.	Great Neck
JUDITH JOHNSON, B.A., M.A., Ed.D.	Mid-Hudson
LUIS O. REYES, B.A., M.A., Ph.D.	New York
LESTER W. YOUNG, JR., B.S., M.S., Ed. D.	Oakland Gardens
CHRISTINE D. CEA, B.A., M.A., Ph.D.	Staten Island
WADE S. NORWOOD, B.A.	Rochester
JUDITH CHIN, B.S., M.S.,	Queens
KATHLEEN M. CASHIN, B.S., M.S., Ed.D.	Brooklyn
JAMES E. COTTRELL, B.S., M.D.	New York

Commissioner of Education

President of The University of the State of New York

MARY ELLEN ELIA

Executive Deputy Commissioner

ELIZABETH BERLIN

The State Education Department does not discriminate on the basis of age, color, religion, creed, disability, marital status, veteran status, national origin, race, gender, genetic predisposition or carrier status, or sexual orientation in its educational programs, services and activities. Portions of this publication can be made available in a variety of formats, including Braille, large print or audio tape, upon request. Inquiries concerning this policy of nondiscrimination should be directed to the Department's Office for Diversity, Ethics, and Access, Room 530, Education Building, Albany, NY 12234. Requests for additional copies of this publication may be made by contacting the Publications Sales Desk, Room 319, Education Building, Albany, NY 12234.

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
Problem Solving	Paglutas ng Problema
algebraically	sa pamamagitan ng algebra
alternate approach	alternatibong pamamaraan
collaborate	collaborate
conjecture	haka-haka
constraint	constraint
critique	critique
equivalent	katumbas
evaluate	suriin
explain	ipaliwanag
formulate	mag-formulate
generalization	heneralisasyon
graphically	sa pamamagitan ng graph
interpret	mag-interpret
multiple representations	maramihang representasyon
numerically	sa pamamagitan ng numero
observe	obserbahan
parameter	parametro
strategy	istratehiya
verbally	sa pamamagitan ng pananalita
Reasoning and Proof	Pangangatwiran at Pagpapatunay
argument	argumento
axiom	axiom
conclusion	konklusyon
conjecture	haka-haka
counterexample	kabaliktarang halimbawa
discover	tuklasin
exact answer	eksaktong sagot
explain	ipaliwanag
explore	galugarin
general case	pangkalahatang kaso
inductive reasoning	inductive na pangangatwiran
Informal indirect proof	Impormal na hindi direktang pagpapatunay
investigate	imbestigahan
justify	bigyang katwiran
refute	pabulaanan
specific result	partikular na resulta
theorem	teorama
Communication	Komunikasyon
accuracy	pagkatumpak
appropriate	angkop
challenge	paghamon
chart	tsart
coherent	magkaugnay

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
comprehension	komprehensiyon
conjecture	haka-haka
decoding	pag-decode
diagram	diagram
equation	equation
formula	formula
function	function
graph	graph
interpretation	interpretasyon
logical argument	lohikal na argumento
mathematical representation	matematikal na interpretasyon
numerical tables	numerikal na talahanayan
organize	organisahin
outline	outline
rationale	rasyonal
reflect	reflect
standard notation	standard notation
strategy	istratehiya
symbol	simbolo
technical writing	teknikal na pagsulat
terminology	terminolohiya
validity	pagkabalido
verbal explanation	verbal na paliwanag
written explanation	nakasulat na paliwanag
Connections	Mga Koneksyon
concept	konsepto
conclusion	konklusyon
formulate	mag-formulate
multiple representation	maramihang representasyon
physical model	pisikal na modelo
procedure	pamamaraan
quantitative model	quantitative na modelo
representation	representasyon
Representation	Representasyon
algebraic representation	algebraic na representasyon
apply	i-apply
chart	tsart
communicate	ikomunika
compare	ipaghambing
concept	konsepto
diagram	diagram
equation	equation
explore	galugarin
graph	graph
graphical representation	graphical na representasyon

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
investigate	imbestigahan
mathematical phenomena	matematikal na phenomena
multiple representations	maramihang representasyon
organize	organisahin
physical object	pisikal na bagay
physical phenomena	pisikal na phenomena
recognize	kilalanin
record	i-record
social phenomena	social na phenomena
symbol	simbolo
table	talahanayan
technology	teknolohiya
translate	i-translate
Number Sense and Operations	Number Sense at Mga Operation
$a+bi$ form	$a+bi$ form
absolute value	absolute na halaga
complex fraction	complex fraction
complex number	complex na numero
conjugate	conjugate
direct variation	direct variation
e	e
fractional exponent	fractional exponent
i	i
imaginary number	imaginary number
index of a radical	index ng radical
inverse variation	inverse variation
irrational number	irrational na numero
negative exponent	negative exponent
n th root	n th root
operation	operation
π	π
powers of i	powers ng i
principal square root	prinsipal na square root
procedure	pamamaraan
radical	radical
radical form	radical form
radicand	radicand
rational number	rational na numero
rationalize a denominator	i-rationalize ang denominator
real number	real na numero
scientific notation	scientific notation
sigma	sigma
sigma notation	sigma notation

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
Algebra	Algebra
abscissa	abscissa
absolute value	absolute na halaga
absolute value equation	absolute value equation
absolute value function	absolute value function
absolute value inequality	absolute value inequality
adjacent angles	mga katabing anggulo
adjacent sides	mga adjacent side
algebraic expression	algebraic expression
algebraic representation	algebraic na representasyon
ambiguous case	ambiguous na kaso
amplitude	amplitude
analyze	analyze
angle	anggulo
angle in standard position	anggulo sa standard position
angle of depression	anggulo ng depression
angle of elevation	anggulo ng elevation
antilogarithm	antilogarithm
approximate value	tinatayang halaga
arc length	haba ng arko
arc cosine	cosine ng arko
arc sine	sine ng arko
arc tangent	tangent ng arko
area of a parallelogram using SAS	area ng parallelogram gamit ang SAS
area of a triangle using SAS	area ng tatsulok gamit ang SAS
arithmetic sequence	arithmetic na pagkakasunod-sunod
arithmetic series	arithmetic na serye
asymptote	asymptote
base	base
base of a logarithmic function	base ng logarithmic function
base of an exponential function	base ng exponential function
binomial expansion	binomial expansion
binomial theorem	binomial theorem
center-radius equation of a circle	center-radius equation ng bilog
central angle	gitnang anggulo
circle	bilog
circular functions	mga circular function
coefficient	coefficient
cofunctions	mga cofunction
common base (s)	(mga) common base
common difference	common difference
common factor	common factor
common logarithm	common logarithm
common ratio	common ratio
completing the square	pagkumpleto ng square
complex fractional expressions	mga complex fractional expression

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
compositions of functions	mga composition ng mga function
compound interest	compound interest
constant function	constant function
cosecant	cosecant
cosine	cosine
cotangent	cotangent
degree of a polynomial	degree ng polynomial
difference of two perfect squares	kaibahan ng dalawang perpektong square
direct variation	direct variation
discriminant	discriminant
domain	domain
double and half angle formulas for trigonometric function	double at half angle na mga formula para sa trigonometric function
double root	double root
e	e
equation	equation
equivalent forms	mga equivalent form
exact value	eksaktong halaga
expand a binomial	mag-expand ng binomial
explicit definition	explicit na definition
exponential form	exponential form
exponential function	exponential function
extraneous root	extraneous root
factor	factor
fractional exponent	fractional exponent
frequency (of a periodic function)	frequency (ng periodic function)
function	function
function notation	function notation
geometric sequence	geometric sequence
geometric series	geometric na serye
graphical solution of equations	graphical solution ng mga equation
greatest common factor (GCF)	greatest common factor (GCF)
growth factor	growth factor
half-life	half-life
i	i
identities	mga identity
initial side of an angle	initial side ng anggulo
inverse function	inverse function
inverse trigonometric functions	mga inverse trigonometric function
inverse variation	inverse variation
law of Cosines	law of mga Cosine
laws of Sines	mga law ng Sine
laws of exponents	mga law ng mga exponent
laws of logarithms	mga law ng mga logarithm
linear equation	linear equation
linear expression	linear expression
linear systems	mga linear system

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
logarithm	logarithm
logarithmic form	logarithmic form
lowest terms	mga pinakamababang term
nature of the roots	nature ng mga root
negative exponent	negative exponent
n th root	n th root
n th term	n th term
one cycle of a trigonometric function	one cycle ng trigonometric function
one-to-one function	one-to-one function
onto	onto
opposite side in a right triangle	opposite side sa right na tatsulok
ordinate	ordinate
parabola	parabola
parameter	parametro
period (of a function)	period (ng function)
periodic function	periodic function
phase shift	phase shift
polynomial expression	polynomial expression
polynomial function	polynomial function
Powers of i	Powers ng i
Pythagorean identities	Mga Pythagorean identity
quadrant angle	quadrant angle
quadratic equation	quadratic na equation
quadratic formula	quadratic na formula
quadratic inequality	quadratic inequality
quadratic trinomial	quadratic trinomial
radius	radius
range (of a function)	range (ng function)
rational coefficient	rational coefficient
rational equation	rational equation
rational expression	rational expression
rational inequality	rational inequality
rationalize denominators	i-rationalize ang mga denominator
reciprocal trigonometric functions	mga reciprocal trigonometric function
recursive definition	recursive definition
reference angle	reference angle
relation	relation
replacement	kapalit
represent	represent
restricted domain	restricted domain
resultant	resultant
right triangle trigonometry	right triangle trigonometry
root of an equation	root ng equation
secant (of an angle)	secant (ng angle)
sigma notation	sigma notation
sine	sine
solution set	set ng solusyon

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
standard position (of an angle)	standard position (ng angle)
subset	subset
sum and product or roots of a quadratic equation	sum at product o mga root ng quadratic equation
sum of an arithmetic series	sum ng arithmetic series
sum of a geometric series	sum ng geometric series
systems of equations/inequalities	mga system ng mga equation/inequality
tangent (of an angle)	tangent (ng angle)
technology	teknolohiya
terminal side of an angle	terminal side ng angle
transformation	transformation
transformations of functions and relations	mga transformation ng mga function at relation
trigonometric equation	trigonometric equation
trigonometric functions	mga trigonometric function
unit circle	unit circle
variable	variable
vector	vector
vertical line test	vertical line test
zero of a function	zero ng function
zero product property	zero product property
Geometry	Geometry
absolute value	absolute na halaga
absolute value equation	absolute value equation
absolute value inequality	absolute value inequality
angle in standard position	anggulo sa standard position
angle of depression	anggulo ng depression
angle of elevation	anggulo ng elevation
area of a parallelogram using SAS	area ng parallelogram gamit ang SAS
area of a triangle using SAS	area ng tatsulok gamit ang SAS
circle	bilog
coefficient	coefficient
function	function
generalize	i-generalize
geometric representation of a circular function	geometric na representasyo ng circular function
graph of a relation	graph ng relation
graphical representation	graphical na representasyon
graphical solution of equations	graphical solution ng mga equation
investigate	imbestigahan
ordered pair	ordered pair
parabola	parabola
rational coefficient	rational coefficient
rectangular coordinates	mga rektanggulong coordinate
relation	relation
root of an equation	root ng equation
sector of a circle	sector ng bilog

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
slope	slope
triangle	tatsulok
vertex	vertex
visualization	visualization
Measurement	Pagsukat
arc length	haba ng arko
degree measure	sukat ng degree
measure of central angle	sukat ng sentrong anggulo
minute	minute
radian measure	sukat ng radian
Statistics and Probability	Statistics at Probability
at least	hindi bababa sa
at most	hindi lalagpas sa
Bernoulli experiments	mga Bernoulli experiment
biased sample	biased na sample
bimodal	bimodal
binomial probability formula	binomial probability formula
bivariate data	bivariate data
central tendency	central tendency
combination	kumbinasyon
compound event	compound event
conjecture	haka-haka
controlled experiment	kontroladong experiment
correlation coefficient	correlation ng coefficient
counting principle	counting principle
exactly	eksakto
experimental probability	experimental na probability
extrapolate	extrapolate
frequency (of a data set)	frequency (ng data set)
frequency distribution	frequency distribution
grouped frequency distribution	grouped frequency distribution
index in statistics	index sa statistics
interpolate	interpolate
interquartile range	interquartile range
least squares regression line	least squares regression line
line of best fit	line ng best fit
linear regression	linear regression
mean	mean
measure of central tendency	sukat ng central tendency
measure of dispersion	sukat ng dispersion
median	median
mode	mode
normal curve	normal na curve
normal distribution	normal na distribution
observation	obserbasyon

ALGEBRA 2 GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH / INGLES	TAGALOG
outlier	outlier
Pascal's triangle	tatsulok ni Pascal
percentile	percentile
permutation	permutation
probability	probability
quartiles	quartiles
random sample	random na sample
range (of a data set)	range (ng data set)
regression equation	regression equation
regression model	regression model
sample space	sample space
scatter plot	scatter plot
standard deviation (population)	standard deviation (population)
standard deviation (sample)	standard deviation (sample)
statistics	statistics
survey	sarbey
technology	teknolohiya
theoretical probability	theoretical probability
univariate data	univariate data
variance (population)	variance (population)
variance (sample)	variance (sample)