

# Glossary

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**High School Level**

## Integrated Algebra Glossary

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**English / Tagalog**

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Translation of Integrated Algebra terms based on the Coursework for Integrated Algebra Grades 9 to 12.

Word-for-word glossaries are used for testing accommodations for ELL/LEP students

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**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG INTEGRATED ALGEBRA - HIGH SCHOOL NA ANTAS**

<b>ENGLISH / INGLES</b>	<b>TAGALOG</b>
<b>Problem Solving</b>	<b>Paglutas ng Problema</b>
algebraically	sa pamamagitan ng algebra
concept	konsepto
conjecture	haka-haka
constraint	constraint
equivalent	katumbas
formulate	i-formulate
generalization	heneralisasyon
graphically	sa pamamagitan ng graph
multiple representations	maramihang representasyon
numerically	ayon sa numero
parameter	parametro
pattern	pattern
relative efficiency	relative efficiency
strategy	istratehiya
verbally	sa pamamagitan ng pananalita
<b>Reasoning and Proof</b>	<b>Pangangatwiran at Pagpapatunay</b>
appropriate	angkop
approximation	approximation
argument	argumento
claim	claim
conclusion	konklusyon
conjecture	haka-haka
counterexample	kakontrang halimbawa
explain	ipaliwanag
inductive reasoning	inductive na pangangatwiran
logical argument	lohikal na argumento
mathematical conjecture	mathematical conjecture
proof	katunayan
refute	pabulaanan
systematic approach	systematic approach
validity	pagkabalido
Venn diagram	Venn diagram
verify	patotohanan
<b>Communication</b>	<b>Komunikasyon</b>
accuracy	pagkatumpak
analyze	suriin
argument	argumento
coherent	magkaugnay
communicate	ikomunika
comprehension	komprehensiyon
conclusion	konklusyon
conjecture	haka-haka
decoding	pag-decode
elicit	elicit
equation	equation
evaluate	suriin

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<b>ENGLISH / INGLES</b>	<b>TAGALOG</b>
extend	i-extend
formula	pormula
function	function
graph	graph
interpretation	interpretasyon
mathematical visual	matematikong paningin
rationale	rasyonal
standard (mathematical) notation	standard (mathematical) notation
strategy	istratehiya
table	talahanayan
technical writer	teknikal na manunulat
terminology	terminolohiya
valid	balido
valid	balido
<b>Connections</b>	<b>Mga Koneksyon</b>
coherent whole	coherent na buo
concept	konsepto
connection	koneksyon
formulate	mag-formulate
physical model	pisikal na modelo
procedure	pamamaraan
quantitative model	modelong base sa karamihan
representation	representasyon
<b>Representation</b>	<b>Representasyon</b>
angle of elevation	anggulo ng kataasan
array	array
chart	tsart
compare	ipaghambing
diagram	diagram
equation	equation
function	function
graph	graph
interpret	mag-interpret
mathematical phenomena	matematikal na kababalaghan
organize	organisahin
physical phenomena	pisikal na kababalaghan
profit	tubo
record	i-record
social phenomena	sosyal na kababalaghan
symbol	simbolo
table	talahanayan
technology	teknolohiya
translate	i-translate
<b>Number Sense and Operations</b>	<b>Kahulugan at mga Operation base sa Numero</b>
absolute value	absolute na halaga
algebraic problem	algebraic na problema
arithmetic operation	aritmetik na operasyon

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<b>ENGLISH / INGLES</b>	<b>TAGALOG</b>
arrangements (permutations)	arrangements (permutations)
associative property	associative property
closure property	closure property
commutative property	commutative property
counting techniques	mga pamamaraan sa pagbilang
decimal	decimal
denominator	denominator
discount	diskuwentong
distributive property	distributive property
exponential expression	exponential expression
expression	expression
factorial	factorial
field	lugar
fraction	fraction
Fundamental Principal of Counting	Fundamental Principal of Counting
group	pangkat
identify property	identify property
inverse property	inverse property
like / unlike radical terms	like / unlike radical na mga termino
number theory	teorya ng numero
numerator	numerator
percent of increase / decrease	porsiyento ng pagtaas / pagbaba
product	produkto
properties of the real numbers	mga property ng real number
proportionality / direct variation	proportionality / direct variation
quotient	quotient
radical	radical
radicand	radicand
real numbers	mga real na numero
scientific notation	pang-aham na pagsulat
simplest form	pinakasimpleng form
variable	maaring magbago
<b>Algebra</b>	<b>Algebra</b>
acute angle	acute na anggulo
adjacent side / angle	adjacent side / angle
algebraic equation	algebraic equation
algebraic expression	algebraic expression
algebraic fraction	algebraic fraction
analyze	suriin
axis of symmetry	axis ng symmetry
binomial	binomial
coefficient	coefficient
common base	common base
complement of a subset	complement ng subset
coordinates	mga coordinate
cosine	cosine
dependent	dependent
difference of two perfect squares	kaibahan ng dalawang perpektong parisukat

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<b>ENGLISH / INGLES</b>	<b>TAGALOG</b>
element	elemento
equation	equation
exponent	exponent
exponential growth and decay	exponential growth at decay
expression	expression
factoring	factoring
fractional expression	fractional expression
greatest common factor (GCF)	greatest common factor (GCF)
hypotenuse	hypotenuse
independent variable	independent na variable
inequality	inekuwalidad
integer	integer
integral coefficient	integral coefficient
integral exponent	integral exponent
integral root (s)	(mga) integral root
intersection of sets	intersection ng mga set
interval notation	interval notation
lead coefficient	lead coefficient
legs of a right triangle	mga binti ng kanang tatsulok
line parallel to the x- or y-axis	line parallel sa x- o y-axis
linear equation in one variable	linear equation sa isang variable
linear inequality in one variable	linear inequality sa isang variable
literal equation	literal equation
lowest term fraction	lowest term fraction
monomial	monomial
multiplication property of zero	multiplikasyon na katangian ng zero
opposite side / angle	katapat na gilid / anggulo
parabola	parabola
parallel	kahilera
polynomial	polynomial
product	produkto
properties of exponents	mga katangian ng mga exponent
proportion	proporsiyon
Pythagorean Theorem	Pythagorean na Teorama
quadratic equation	quadratic na equation
quantitative	katangian ng pagkarami
quotient	quotient
ratio	ratio
relation	relasyon
right angle	kanang anggulo
right triangle	kanang tatsulok
root (s) of an equation	(mga) root ng isang equation
roster form	anyo ng roster
set	set
set-builder notation	set-builder notation
sine	sine
slope	slope
solution set	set ng solusyon
subset	subset
sum	suma

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system of linear inequalities	sistema ng mga linear na inequality
system of linear equations	sistema ng mga linear na equation
tangent	tangent
translate (from verbal to symbolic)	i-translate (mula sa pananalita papuntang simbolo)
trigonometry	trigonometro
trinomial	trinomial
undefined	undefined
union of sets	union ng mga set
universal set	universal set
variable	maaring magbago
verbal expression	pananalitang pagpapahayag
verbal sentence	pananalitang pangungusap
vertex	vertex
x-axis	x-axis
y-axis	y-axis
<b>Geometry</b>	<b>Geometry</b>
absolute value function	absolute value function
angle	anggulo
area	lugar
axis of symmetry of a parabola	axis ng symmetry ng isang parabola
circle	bilog
coefficient	coefficient
cylinder	silindro
decagon	decagon
exponential function	exponential na function
function	function
generalize	i-generalize
geometric shape	geometric na hugis
graph of a relation	graph ng isang relasyon
hexagon	hexagon
investigate	imbestigahan
nonagon	nonagon
octagon	octagon
ordered pair	nakaayos na pares
parabolic function	parabolic na function
parallelogram	parallelogram
pentagon	pentagon
perimeter	perimetro
polygon	polygon
quadrilateral	quadrilateral
quarter-circle	sangkapat-na-bilog
rational coefficient	rasyonal na coefficient
rectangle	rektanggulo
rectangular solid	solidong rektanggulo
regular polygon	regular na polygon
relation	relasyon
rhombus	rhombus
roots of a parabolic function	mga root ng parabolic na function
sector of a circle	sector ng isang bilog

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<b>ENGLISH / INGLES</b>	<b>TAGALOG</b>
semi-circle	kalahating-bilog
spatial reasoning	pangangatwiran base sa espasyo
square	parisukat
surface area	area ng surface
trapezoid	trapezoid
triangle	tatsulok
vertex	vertex
visualization	visualization
volume	volume
<b>Measurement</b>	<b>Pagsukat</b>
appropriate unit	nararapat na yunit
conversion	kumbersiyon
cubic unit	cubic na yunit
error	pagkakamali
linear measure	linear na pagsukat
linear unit	linear na yunit
magnitude	lakas
measurement system	Sistema ng pagsukat
rate	rate
relative error	kaugnay na pagkakamali
square unit	parisukat na yunit
unit	yunit
<b>Statistics and Probability</b>	<b>Statistics at Probability</b>
appropriateness	appropriateness
biased	biased
bivariate	bivariate
box-and-whisker plot	kahon-at-balbas na balangkas
calculated probability	calculated probability
categorize	ikategorya
causation	causation
central tendency	central tendency
complement	i-complement
conditional probability	conditional probability
correlation	correlation
cumulative frequency distribution table	cumulative frequency distribution table
cumulative frequency histogram	cumulative frequency histogram
data	data
dependent events	mga dependent event
dependent variable	dependent na variable
element	elemento
empirical probability	empirical probability
experimental design	experimental design
extrapolation	ekstrapolasyon
favorable event	favorable na event
finite simple space	finite simple space
five statistical summary	five statistical summary



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frequency distribution table	frequency distribution table
histogram	histogram
independent events	mga independent na event
independent variable	independent na variable
interpolation	interpolation
line of best fit	line ng best fit
linear transformation	linear transformation
maximum	pinakamalaki
mean	mean
measure of central tendency	sukat ng central tendency
median	median
minimum	pinakamababa
mode	mode
mutually exclusive events	mga mutually exclusive na event
not mutually exclusive events	mga hindi mutually exclusive na event
percentile rank	percentile rank
probability	probabilidad
qualitative	qualitative
quantitative	katangian ng pagkarami
quartiles (specifically : first, second, third or, lower, middle, upper	mga quartile (sa partikular : una, pangalawa, pangatlo o, mas mababa, gitna, itaas
range	saklaw
scatter plot	scatter plot
series	serye
univariate	univariate