

Glossary

High School Level

Integrated Algebra Glossary

English | Mandinka

Translation of Integrated Algebra terms based on the Coursework for Integrated Algebra 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.

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High School Integrated Algebra

ENGLISH	MANDINKA
Problem Solving	Problémo Tobénno
algebraically	algébrikma
concept	concépto
conjecture	conjecturo
constraint	khakéfango la
equivalent	équivalenwo
formulate	Kha formulé
generalization	généralissiyon
graphically	graphikma
multiple representations	Représentasiyon siyama
numerically	nimérikma
parameter	paraméto
pattern	noo
relative efficiency	éfficienso relativo
strategy	féro
verbally	verbalo
Reasoning and Proof	Khakilima ani Togna
Appropriate	Munbétéyata
approximation	approximasiyon
argument	kuma kanwo
claim	gnininkaro
conclusion	conclusiyon
conjecture	conjecturo
counterexample	Contéro exemplo
explain	gnafolo
inductive reasoning	Khakilima inductivo
logical argument	kuma kan tilininwo
mathematical conjecture	Mathématiko conjecturo
proof	provo
refute	khi ban
systematic approach	Sistématiko approcho
validity	tognadin
Venn diagram	Vénno diagramo
verify	kajibé

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ENGLISH	MANDINKA
Communication	Kathiaa
accuracy	goddo
analyze	analiso
argument	kuma kanwo
coherent	Abé tilining
communicate	Khé communicé
comprehension	famuyalo
conclusion	conclusiyon
conjecture	conjecturo
decoding	décodélo
elicit	amanséniya
equation	équasiyon
evaluate	khajaté
extend	bugna
formula	formulo
function	foncsiyon
graph	grapho
interpretation	interprétasiyon
mathematical visual	Mathématiko jélo
rationale	rationalo
standard (mathematical) notation	standaro (mathématiko) notasiyon
strategy	fero
table	tablo
technical writing	Saféligna téchniko
terminology	terminologiwo
valid	abáyata
Connections	Connecsiyonlu
coherent whole	a béébétilining
concept	concépto
connection	connecsiyon
formulate	khaformulé
physical model	phisikomodélo
procedure	kégna

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ENGLISH	MANDINKA
quantitative model	quantitative modélo
representation	réprésentasiyon
Representation	Réprésentasiyon
angle of elevation	anglo lawuli gna
array	rétaro
chart	charto
compare	Khi bo gnokhonto
diagram	diagramo
equation	équasiyon
function	foncsiyon
graph	grapho
interpret	firino
mathematical phenomena	Mathématiko phénoméno
organize	organisélo
physical phenomena	Phisiko phénoméno
profit	tono
record	enrégistréma
social phenomena	social phénoméno
symbol	simbolo
table	tablo
technology	technologiwo
translate	a firin
Number Sense and Operations	Senso Niméro ani Opérasiyon
absolute value	Valoro absoluwo
algebraic problem	Algébriko problémo
arithmetic operation	Arithmétiko opérasiyon
arrangements (permutations)	tobinnolu (fallino)
associative property	associative properté
closure property	Properté datakhono
commutative property	Commutativo properti
counting techniques	Contélu téchniko
decimal	décimalo
denominator	dénominatoro

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ENGLISH	MANDINKA
discount	disconté
distributive property	Distribusiyon propérté
exponential expression	Exponentialo expréssiyon
expression	expréssiyon
factorial	factoriyélo
field	kéna
fraction	fracsiyon
Fundamental Counting Principle	Fondamentaló ContéloPrincipo
group	grupo
identity property	Properté identité
inverse property	Properté inverso
like/unlike radical terms	killing/radical termo kiling té
number theory	Niméro théoriwo
numerator	nimérotoro
percent of increase/decrease	Purcenwo yélinta/jiguita
product	produwo
properties of the Real numbers	Niméro réyélo properté
proportionality/direct variation	proportionalité/yélémaló directo
quotient	quotienwo
radical	radicalo
radicand	radicando
real numbers	Niméro réyélo
scientific notation	Scientifiko notasiyon
simplest form	Formo mimbé nokhoyalin abéti
variable	variablo
Algebra	Algébro
acute angle	Anglo dadimanwo
adjacent side/angle	Adjacenwo coté/anglo
algebraic equation	Algébriko équasiyon
algebraic expression	Algébriko expréssiyon
algebraic fraction	Algébriko fracsiyon
analyze	analiso
axis of symmetry	Simmétri axo
binomial	binomialo

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ENGLISH	MANDINKA
coefficient	coéfficienwo
common base	basokiling
complement of a subset	Yélémaló complémenwo
coordinates	cordinatolu
cosine	cosinuso
dependent	dépendenwo
difference of two perfect squares	Squaro bétéman fula différenso
element	élémenwo
equation	équasiyon
exponent	exponenwo
exponential growth and decay	Éxponentialo yiriwa ani rétaró
expression	expréssiyon
factoring	Kha factoré
fractional expression	Fractionalo expréssiyon
greatest common factor (GCF)	factoro killing warman baa (GCF)
hypotenuse	hipoténuso
independent variable	Indépendenwo variablo
inequality	inéquasiyon
integer	intégré
integral coefficient	Coéfficienwo intéralo
integral exponent	Exponenwo intégralo
integral root(s)	intégralolilo (lu)
intersection of sets	Intersécsiyon réglajo
interval notation	interval notasiyon
lead coefficient	Coéfficienwo gnamokho
legs of a right triangle	trianglo sing mara
line parallel to the x- or y-axis	Parallélo ligno kha takha x-wala y-axo
linear equation in one variable	Linévéro équasiyon ani variablo kiling
linear inequality in one variable	Linévéro inéquasiyon ani variablo kiling
literal equation	Litéralo équasiyon
lowest terms fraction	fracsiyon término mu doyata abéti
monomial	monomialo
multiplication property of zero	Zéro properté multiplicasiyon
opposite side/angle	coté oppose/anglo
parabola	parabolo

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ENGLISH	MANDINKA
parallel	parallélo
polynomial	polinomialo
product	produwo
properties of exponents	propertélé
proportion	proporsiyon
Pythagorean Theorem	Pithagoro Théorémo
quadratic equation	Quadratiko équasiyon
quantitative	quantitativo
quotient	quptienwo
ratio	ratioso
relation	relasiyon
right angle	Anglo mara
right triangle	triangle mara
root(s) of an equation	lilo(lu) équasiyon
roster form	rostéroformo
set	réglajo
set-builder notation	réglajo-dada la notasiyon
sine	sinuso
slope	slopo
solution set	solusiyonréglajo
subset	subséto
sum	khako
system of linear inequalities	Inéqualitélu linéyéro sistémo
systems of linear equations	Équasiyonlu linéyéro sistémo
tangent	tangenwo
translate (from verbal to symbolic)	a firin (khébo verbo la khé takha simboliko)
trigonometry	trigonométriwo
trinomial	trinomialo
undefined	khotonntala
union of sets	réglajokaffo
universal set	universélo réglajo
variable	variablo
verbal expression	verbaloexpréssiyon
verbal sentence	verbal fraso
vertex	vertexo

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ENGLISH	MANDINKA
x-axis	x-axo
y-axis	y-axo
Geometry	Géométri
absolute value function	foncsiyon valoro absoluwo
angle	anglo
area	dula
axis of symmetry of a parabola	simmétri axo parabolo
circle	cérclo
coefficient	coéfficienwo
cylinder	cilindro
decagon	décagono
exponential function	exponentialo foncsiyon
function	foncsiyon
generalize	généralisélo
geometric shape	géométriko sugo
graph of a relation	grapha relasiyon
hexagon	héxagono
investigate	gnininlo
nonagon	nonagono
octagon	octagono
ordered pair	païro yamaro
parabolic function	foncsiyon paraboliko
parallelogram	parallélogramo
pentagon	pintagono
perimeter	périméto
polygon	poligono
quadrilateral	quadrilatéralo
quarter-circle	quartéro-cérclo
rational coefficient	rationalo coéffienwo
rectangle	réctanglo
rectangular solid	réctanguléro goléyalin
regular polygon	régularo polygono
relation	relasiyon
rhombus	rhombuso

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ENGLISH	MANDINKA
roots of a parabolic function	foncsiyin parabolik lilolu
sector of a circle	cérclo sectoro
semi-circle	cérclo tala
spatial reasoning	spatialo khakilima
square	squaro
surface area	dula surffasso
trapezoid	trapézo
triangle	trianglo
vertex	vertéxo
visualization	yitalo
volume	volumo
Measurement	Mésuranwo
appropriate unit	unité gnuma
conversion	maralo
cubic unit	unité cubiko
error	fililo
linear measure	linéyéro mésuré
linear unit	linéyéro unité
magnitude	magnitudo
measurement system	sistémo méso
rate	rato
relative error	fililo domadin
square unit	squaro unité
unit	unité
Statistics and Probability	Statistiko ani Probabilité
appropriateness	mun bétéyata
biased	mun man bin
bivariate	bivariéto
box-and-whisker plot	boxo-ani whisko ploto
calculated probability	probabilité jaté
categorize	catégoriyo
causation	cosasiyon
central tendency	centralo tendensso

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ENGLISH	MANDINKA
complement	complémenwo
conditional probability	coditionalo probabilité
correlation	corélasiyon
cumulative frequency distribution table	cumulativo fréquenso diilo tablo
cumulative frequency histogram	cumulativo fréquenso histogramo
data	mara dula
dependent events	tumolu dépendenwo
dependent variable	dépendanwo variablo
element	élémenwo
empirical probability	émpiricalo probabilité
experimental design	éxpérimentalo bakéla mukhama
extrapolation	extrapolasiyon
favorable event	tuma gnuma
finite sample space	inito samplo spasso
five statistical summary	statistiko lulu dalajélinwo
frequency distribution table	fréquenso diilo tablo
histogram	histogramo
independent events	indépendenwo tumolu
independent variable	indépendenwo variablo
interpolation	interpolasiyon
line of best fit	ligno mun binta kugnuma
linear transformation	linéyéro yélémaló
maximum	danwo la
mean	moyin
measure of central tendency	centralo tendenso mésuró
median	médiano
minimum	min doyata
mode	modo
mutually exclusive events	exclusivo tumolu mutuwélo
not mutually exclusive events	exclusivo tumolu minté mutuwélin
percentile rank	percentilo ranwo
probability	probabilité
qualitative	qualitativo
quantitative	quantitativo

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ENGLISH	MANDINKA
quartiles (specifically: first, second, third or lower, middle, upper)	quartilu (surtu: folo, fulajanwo, sabajanwo wala mun doyata, téma, santo)
range	ranjo
sample space	sampo spasso
scatter plot	ploto janjalo
series	sériyolu
Univariate	variyéto kiling

NYS Grades 9 – 12 Math Terms Addenda

Common Core Math Standard	ENGLISH	MANDINKA
N-RN.B.3	non-zero rational number	rationalo niméro nté-zéro ti
A-SSE.A.1	difference of squares, example: $(a^2 - b^2)$	sqauarolu différenso exemplo: $(a^2 - b^2)$
A-SSE.A.1	square of a difference, example: $(a - b)^2$	sqvaro différenso, exemplo: $(a - b)^2$
A-SSE.B.3	equivalent monthly interest rate	karo gnokhona intéré rato
A-CED.A.1	exponential equation	exponentialo équasiyon
A-CED.A.3	non-viable options (inequalities)	opsiyon munté viabililin (inqualitélu)
A-CED.A.3	viable options (inequalities)	opsiyon viabililin (inqualitélu)
A-REI.A.1	viable argument	kumakan viabililin
A-REI.D.12	half-plane	plano-téma
A-REI.D.11	logarithm function	foncsiyon logaritmo
F-IF.C.8	piece-wise defined function	piece-wiso khoto dita foncsiyon
F-IF.C.8	step function	stépo foncsiyon
F-IF.C.8	absolute-value function	valoro absoluwo foncsiyon
F-BF.A.1	recursive process	récurso takhgna
F-Bf.B.3	even function	funcsiyon kiling
F-BF.B.3	odd function	foncsiyon bizarlin
F-LE.A.1	constant percent rate	purcenwo rato munta dulakiling
S-ID.B.5	categorical data	catégoriko maradula
S-ID.B.5	joint frequency	jointo fréquenso
S-ID.B.5	marginal frequency	marginalo fréquenso
S-ID.B.5	conditional relative frequency	conditionalo relativo fréquenso
S-ID.B.6	fit of a function	foncsiyon labénno
S-ID.B.6	residuals	résidualolu
S-ID.C.8	correlation coefficient	corrélasiyon coéfficienwo
S-ID.C.8	linear fit	linéro labénno
S-ID.C.9	correlation and causation	corrélasiyon ani causasiyon
S-ID.C8	linearity	linéarité
S-ID.C8	linear phenomenon	linéro phénoméno
N-Q.A.3	data point	maradula poinwo
N.C.N.4	complex plane	plano compléxo
N.C.N.5	conjugation of complex numbers	niméro complexo conjugéson
N-V.M.6	incidence relationship (payoff)	incidenso tériya (ajuntala)
N-Q.A.2	descriptive modeling	descriptivo modélo
S-REI.A.2	algebraic manipulation	algébriko manipulasiyon

KEYS

N-Q = Number & Quantity

SSE = Seeing Structures in Expressions

RN = Real Number System

BF = Building Functions

ID = Interpreting categorical and quantitative Data

CED = Creating Equations Describing numbers or relationships

REI = Reasoning with Equations & Inequality

VM = Vectors & Matrix quantities

IF = Interpreting Functions

ID = Interpreting categorical and quantitative Data

APR = Arithmetic with Polynomials & Relational expressions