

Glossary

High School Level Algebra **2** Glossary

English | Mandinka

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.

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ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
Problem Solving	Problémo Tobénno
algebraically	algébrikma
alternate approach	Alternato approcho
collaborate	collaboro
conjecture	conjecturo
constraint	kha oblijé
critique	critiko
equivalent	agnokhon
evaluate	évaluyé
explain	kha gnafo
formulate	kha formulé
generalization	généralisasiyon
graphically	khakégraphikoti
interpret	firino
multiple representations	Réprésentasiyonlu siyaman
numerically	Kha k éniméroti
observe	jibélo
parameter	paraméto
strategy	féro
verbally	diyamo
Reasoning and Proof	Khakilima ani Togna
argument	Kuma kanwo
axiom	axiomo
conclusion	conclusiyon
conjecture	conjécturo
counterexample	Contéré exampto
discover	khalon
exact answer	Jabili gnuma
explain	gnafolo
explore	exploro
general case	ca généralo
inductive reasoning	Inductivo khakilima
Informal indirect proof	Togna munté tilinni
investigate	Goddi bo
justify	justifiyé
refute	amanson
specific result	Résilta sifa kiling
theorem	théorémo
Communication	Kathiaa
accuracy	goddo
appropriate	bétéman
challenge	barabaa
chart	charto

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
coherent	Mumbé tilini
comprehension	famuyalo
conjecture	conjecturo
decoding	kha décodé
diagram	diagramo
equation	équasiyon
formula	formulo
function	funcsiyon
graph	grapho
interpretation	lafirino
logical argument	Kuma kan tilinni
mathematical representation	Réprésentasiyon mathématiko
numerical tables	Tablo numériko
organize	kha organisé
outline	Mimbé santo
rationale	rationalo
reflect	réflécto
standard notation	Notasiyon standaro
strategy	féro
symbol	simbolo
technical writing	Saféligna téchniko
terminology	términologiwo
validity	siwo
verbal explanation	kha gnfokulola
written explanation	kha gnafo saférola
Connections	Conneciyonlu
concept	concepto
conclusion	conclusiyon
formulate	kha formulé
multiple representation	réprésentasiyon siyaman
physical model	Phisicalo modélo
procedure	takhagna
quantitative model	Quantitativo modélo
representation	réprésentasiyon
Representation	Réprésentasiyon
algebraic representation	Algébriko réprésentasiyon
apply	kakéé
chart	charto
communicate	Khé kuma
compare	kha bo gnokhonto
concept	concepto
diagram	diagramo
equation	équasiyon
explore	éploro

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
graph	grapho
graphical representation	Réprésentasiyon graphiko
investigate	Goddi bo
mathematical phenomena	mathématiko
multiple representations	Réprésentasiyon siyaman
organize	organisé
physical object	Phisicalo finwo
physical phenomena	Phisicalo phénoméno
recognize	malonno
record	enregistréma
social phenomena	socialo phénoméno
symbol	simbolo
table	tablo
technology	téchnologiwo
translate	translato
Number Sense and Operations	Senso Niméro ani Opérasiyonlu
a+bi form	a+bi formo
absolute value	valoro absoluwo
complex fraction	fracsiyon compléxo
complex number	Niméro compexo
conjugate	ka conjugé
direct variation	variasiyon tilininwo
<i>e</i>	<i>e</i>
fractional exponent	Exponanwo fractionalalo
<i>i</i>	<i>i</i>
imaginary number	Imaginéro niméro
index of a radical	Radicalo indéxo
inverse variation	Variasiyon inversso
irrational number	Niméro irrationalalo
negative exponent	Exponenwo négativo
<i>n</i> th root	Nth lilo
operation	opérasiyon
π	pii
powers of <i>i</i>	<i>i</i> fango
principal square root	Principalo squaro lilo
procedure	takhagna
radical	radicalo
radical form	Radicalof ormo
radicand	radicando
rational number	Niméro ratinalalo
rationalize a denominator	Khé dénominatéro rationalisé
real number	Niméro réyélo
scientific notation	Scientifiko notasiyon
sigma	sigmo
sigma notation	Sigmo notasiyon

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
Algebra	Algébro
abscissa	abscissoo
absolute value	Valoro absoluwo
absolute value equation	Valoro absoluwo équqsiyon
absolute value function	Valoro absoluwo foncsiyon
absolute value inequality	Valoro absoluwo inégaté
adjacent angles	Anglolu adjacenwo
adjacent sides	coté adjacenwo
algebraic expression	Algébriko expréssiyon
algebraic representation	Algébriko représentasiyon
ambiguous case	ca ambigo
amplitude	amplitudo
analyze	analiso
angle	anglo
angle in standard position	Anglo standaro posisiyon la
angle of depression	Anglo dépréssiyon
angle of elevation	Anglo élévasiyon
antilogarithm	antilogarithlito
approximate value	Valoro approximato
arc length	arco loo
arccosine	arccosino
arcsine	arcsino
arctangent	artangenwo
area of a parallelogram using SAS	Parallélogramo dula muni SAS taa
area of a triangle using SAS	Trianglo dula muni SAS taa
arithmetic sequence	Arithmétiko séquensso
arithmetic series	Arithétiko sériyolu
asymptote	asimptoto
base	baso
base of a logarithmic function	Logarithmo bas ofoncsiyon
base of an exponential function	Éxponantiélo foncsiyon
binomial expansion	binomialo janjalo
binomial theorem	binomialo théorémo
center-radius equation of a circle	centro-radiuso équasiyon circlo
central angle	anglo centralo
circle	circlo
circular functions	foncsiyon circoléro
coefficient	coéfficienwo
cofunctions	cofoncsiyon
common base (s)	baso(lu) kilingwo
common difference	différenso kiling
common factor	factoro kiling
common logarithm	logarithmo kiling
common ratio	rasio kiling
completing the square	ka squaro dafa

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
complex fractional expressions	compléxo fractionalalo expréssiyon
compositions of functions	composisiyon foncsiyon
compound interest	suwo intére
constant function	foncsiyon munté falinna
cosecant	cosécanwo
cosine	cosino
cotangent	cotangenwo
degree of a polynomial	déguéro polinomialo
difference of two perfect squares	squaro gnuma fula la différenso
direct variation	variayon directo
discriminant	discrinanwo
domain	doméno
double and half angle formulas for trigonometric function	anglo fula ani téma formulolu puru trigométriko foncsiyon
double root	fili fula
e	e
equation	équasiyon
equivalent forms	formolu kiling
exact value	valoró éxacto
expand a binomial	expando binomialo
explicit definition	khoto franfansilin
exponential form	exponentialo formo
exponential function	exponentialo foncsiyon
extraneous root	extrano lilo
factor	factoro
fractional exponent	fracsiyon exponenwo
frequency (of a periodic function)	fréquenso (wo wato foncsiyon la)
function	foncsiyon
function notation	foncsiyon notasiyon
geometric sequence	géométriko séquenso
geometric series	goométriko sériyolu
graphical solution of equations	graphiko solusiyon équasiyonlu
greatest common factor (GCF)	factoro warman ba kiling (GCF)
growth factor	factoro yirwalin
half-life	baluwo téma
i	i
identities	identitélú
initial side of an angle	anglo coté damuto
inverse function	foncsiyon inverso
inverse trigonometric functions	trigonométriko foncsiyon inverso
inverse variation	variasiyon inverso
law of Cosines	Cosinolu silo
laws of Sines	Sinolu silolu
laws of exponents	exponenwo silolu
laws of logarithms	logarithmolu silolu
linear equation	linéyéro équaaasiyon

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
linear expression	linéyéro expréssiyonso
linear systems	linéyéro sistémo
logarithm	logarithmo
logarithmic form	logarithmiko formo
lowest terms	térmolu mun khé dokhon abéti
nature of the roots	lilo naturo
negative exponent	exponenwo négativo
n th root	n th lilo
n th term	n th termo
one cycle of a trigonometric function	trigonométriiko foncsiyon cicli kiling
one-to-one function	kiling wo kiling foncsiyon
onto	akono
opposite side in a right triangle	trianglo koma coté ani maro mafanwola
ordinate	ordinato
parabola	parabolo
parameter	paraméto
period (of a function)	wato (foncsiyon)
periodic function	wato wato foncsiyon
phase shift	phaso falino
polynomial expression	polinomialo expréssiyon
polynomial function	polinomialo foncsiyon
Powers of i	i fangolu
Pythagorean identities	Pithagorolu identitélu
quadrant angle	quadranwo anglo
quadratic equation	quadrático équasiyon
quadratic formula	quadrático formulo
quadratic inequality	quadrático inéquasiyon
quadratic trinomial	quadrático trinomialo
radius	radiuso
range (of a function)	ranjo (foncsiyon la)
rational coefficient	rationalo coéfficienwo
rational equation	rationalo équasiyon
rational expression	rationalo expréssiyon
rational inequality	rationalo inéquasiyon
rationalize denominators	rationaliso dénominatorolu
reciprocal trigonometric functions	reciprocalo trigonométri foncsiyon
recursive definition	tokho muni na signa siyama
reference angle	référenso anglo
relation	munbi itéma
replacement	kha sagui anoto
represent	abéyé
restricted domain	doméno mun banta
resultant	résilta
right triangle trigonometry	trianglo trigonométri gnuma
root of an equation	équasiyon lilo
secant (of an angle)	sécanwo (anglo)

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
sigma notation	sigmanotasiyon
sine	sino
solution set	solusiyon séto
standard position (of an angle)	posisiyon standaro(anglo)
subset	yéléma
sum and product or roots of a quadratic equation	somo ani produwo wala lilo quasiyon
sum of an arithmetic series	somo arithmétriko sériyérolu
sum of a geometric series	somo géométriko sériyérolu
systems of equations/inequalities	equasiyon sistémo/inégalitélu
tangent (of an angle)	tangenwo(anglo)
technology	téchnologiwo
terminal side of an angle	terminal coté anglo
transformation	transformasiyon
transformations of functions and relations	foncsiyon ani foncsiyon relasiyon
trigonometric equation	trigonométriko équasiyon
trigonometric functions	trigonométriko foncsiyon
unit circle	cérclo unité
variable	variablo
vector	vectoro
vertical line test	verticallino tésto
zero of a function	foncsiyon zéro
zero product property	zéro produwo properté
Geometry	Géométri
absolute value	valoro absoluwo
absolute value equation	valoro absoluwo équasiyon
absolute value inequality	valoro absoluwo inégalité
angle in standard position	anglo bé standaro psisiyon la
angle of depression	dépréssiyon anglo
angle of elevation	elévasiyon anglo
area of a parallelogram using SAS	parallélogramo dula si SAS taa
area of a triangle using SAS	triangle dula si SAS taa
circle	cérclo
coefficient	coefficientwo
function	foncsiyon
generalize	généralisélo
geometric representation of a circular function	géométriko répresentasiyon circuléro foncsiyon
graph of a relation	grapho relasiyon
graphical representation	graphiko répresentasiyon
graphical solution of equations	graphiko solusiyon équasiyon
investigate	goddi bo
ordered pair	païro yamaro
parabola	parabolo
rational coefficient	rationalo coéfficientwo
rectangular coordinates	réctangularo coordinatolu

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
relation	relasiyon
root of an equation	equasiyon lilo
sector of a circle	séctoro cérclo
slope	khébon
triangle	trianglo
vertex	vertéxo
visualization	jéélo
Measurement	Mésuranwo
arc length	arc janjaya
degree measure	degré méso
measure of central angle	centralo anglo méso
minute	munito
radian measure	radiano méso
Statistics and Probability	Statistiko ani Probabilé
at least	khalinin
at most	khali no
Bernoulli experiments	Bernoulliwo eepérimenwolu
biased sample	samplo man bin
bimodal	bimodalo
binomial probability formula	binomaliwo probabilité formulo
bivariate data	bivariato maradula
central tendency	centralo tandenso
combination	combinésonwo
compound event	Suwo tumo
conjecture	conjecturo
controlled experiment	expérimenwo controlinwo
correlation coefficient	coefficientwo corrélasiyon
counting principle	contélo principio
exactly	wo fanému
experimental probability	expérimentalo probabilité
extrapolate	extrapolato
frequency (of a data set)	fréquenso (maradula réglajo)
frequency distribution	diilo fréquensso
grouped frequency distribution	ditribusiyon fréquenso diilo
index in statistics	indéxo statistiko
interpolate	interpolato
interquartile range	interquartilo rango
least squares regression line	dobota squaro dron la ligno la
line of best fit	ligno mun binta
linear regression	dobota linéyéro la
mean	warmaba
measure of central tendency	tendensso centralo méso
measure of dispersion	mésuro min jinsinta
median	médiano

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	MANDINKA
mode	modo
normal curve	curvo normalo
normal distribution	diilo normalo
observation	jibélo
outlier	khé miranwo diyala
Pascal's triangle	Pascal la trianglo
percentile	percentilo
permutation	permutasiyon
probability	probabilité
quartiles	quartilolu
random sample	sutuman samplo
range (of a data set)	rango (maradula réglajo)
regression equation	dobota équasiyon
regression model	dobota modélo
sample space	spasso samplo
scatter plot	siyo néguéma
standard deviation (population)	dévasiyon standaro (mokholu)
standard deviation (sample)	dévasiyon standaro (samplo)
statistics	statistikolu
survey	ballu gna
technology	téchonologiwo
theoretical probability	théorétiko maradula
univariate data	maradula muté variyéla
variance (population)	variansso (mokholu)
variance (sample)	variansso (samplo)

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 examplo: $(a^2 - b^2)$
A-SSE.A.1	square of a difference, example: $(a - b)^2$	sqvaro différenso, examplo: $(a - b)^2$
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 viabilin (inqualitélu)
A-CED.A.3	viable options (inequalities)	opsiyon viabilin (inqualitélu)
A-REI.A.1	viable argument	kumakan viabilin
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