

Glossary

High School Level

Integrated Algebra Glossary

English | Wolof

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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ENGLISH	WOLOF
Problem Solving	Saafara porobelem
algebraically	alseebirik
concept	Gis gis
conjecture	Tandus
constraint	Jaffe jaffe
equivalent	Tollo
formulate	wax
generalization	seneraalisason
graphically	Ci nataal
multiple representations	Rperesantaason yu bëri
numerically	Ci nimiriik
parameter	parameeturu
pattern	modeel
relative efficiency	Ifikaasite bu yemamay
strategy	pexe
verbally	Ci wax
Reasoning and Proof	Resonma ak përew
Appropriate	Mengo
approximation	xaayma
argument	Lay
claim	Wax
conclusion	jeexantal
conjecture	Tandus
counterexample	Misaal bu andul
explain	Leeral
inductive reasoning	Resonma bu lallu ciispiriyans
logical argument	Lay bu losiik
mathematical conjecture	Tandus kalkiil
proof	përew
refute	Dax
systematic approach	sisteem pexe
validity	walidite
Venn diagram	Jagaraamu Venn
verify	seetlu

ENGLISH	WOLOF
Communication	Wax
accuracy	sustees
analyze	jangat
argument	Lay
coherent	Li annd
communicate	wax
comprehension	naand
conclusion	Jeexantal
conjecture	Tandus
decoding	Dindi kood
elicit	am
equation	ikuwaason
evaluate	natt
extend	yaatal
formula	formiil
function	foonkson
graph	bindd
interpretation	Firndel
mathematical visual	kalkiil bignuy gis
rationale	Li ci xeel
standard (mathematical) notation	Notaason kalkiil bu dul soppi
strategy	pexe
table	taabal
technical writing	Tekniku binddi
terminology	Jeexantal
valid	Lu walid
Connections	lonkoo
coherent whole	Pax bu annd
concept	Gis gis
connection	lonkoo
formulate	wax
physical model	Modeelu fisiik
procedure	doxaliine

ENGLISH	WOLOF
quantitative model	Modeelu liim bu bëri
representation	reperesantaason
Representation	Reperesantaason
angle of elevation	Angallu kaweway
array	raangse
chart	tabulo
compare	Natt
diagram	jagaraam
equation	ikuwaason
function	Fonkson
graph	binnd
interpret	Firi
mathematical phenomena	Fenomeenu kalkiil
organize	organiise
physical phenomena	Fenomeenu fisiik
profit	Bonofiis
record	anristeere
social phenomena	Fenomeenu sosiyaal
symbol	Mandarga
table	taabal
technology	teknolosi
translate	Soppi ci lakk
Number Sense and Operations	Saansu noonbuur yi ak operaason
absolute value	Waleer absoli
algebraic problem	Porobuleemu alseebur
arithmetic operation	Operason aritmetiik
arrangements (permutations)	Soppiteyi (wecco yi)
associative property	Am am mboolo
closure property	Am am bu teej
commutative property	Poropiriyete soppite
counting techniques	Tekniiku liim
decimal	disimaal
denominator	denominaatoor

ENGLISH	WOLOF
discount	wanji
distributive property	Poropiriyete seede
exponential expression	Espereson bu am espoosan buy soppi
expression	Espereson
factorial	Luy faktoriise
field	Bërëp
fraction	farakson
Fundamental Counting Principle	Perinsiipu liim
group	Kureel
identity property	Poropiriyete li niroo
inverse property	poropiriyete bu dëpp
like/unlike radical terms	Bëggë baaj termu radikaal yi
number theory	Xalaatu nonbur
numerator	nimeraator
percent of increase/decrease	Pursantaasu yoxu wanji
product	porodi
properties of the Real numbers	Poropiriyete nonbuur reel
proportionality/direct variation	Xaaj wariyaason bu jubbul
quotient	Ci lu gnuy xaaj
radical	radikaal
radicand	radikand
real numbers	Nonbuur reel yi
scientific notation	Binnd siyantifiik
simplest form	Melokaan bu gënë simpal
variable	wariyaabul
Algebra	Alseebur
acute angle	Angal egg
adjacent side/angle	Weet bu asastan angal bu asastan
algebraic equation	Ikuwason alseebur
algebraic expression	Espereson alseebur
algebraic fraction	Farakson alseebur
analyze	jangatt
axis of symmetry	Aksu simetiri
binomial	Sommu ñaari termu

ENGLISH	WOLOF
coefficient	degere
common base	Bokk baas
complement of a subset	Konpelema suu ansambul
coordinates	Yu lonkoo
cosine	koosinis
dependent	Depandur
difference of two perfect squares	Li wuutel kaare parfe
element	elema
equation	ikuwason
exponent	esponan
exponential growth and decay	Mag ak waaje bu esponanseel
expression	espereson
factoring	faaktoriise
fractional expression	Espereeson farakson
greatest common factor (GCF)	Faktooru komo yi genne maagg (GCF)
hypotenuse	ippoteniis
independent variable	Wariyabul yu depandurul
inequality	ɲak tolo
integer	ancce
integral coefficient	Mboolom degere
integral exponent	Mboolom esponan
integral root(s)	Mboolom reen yi
intersection of sets	Ndajeem regalaas
interval notation	interwaal binnd
lead coefficient	Degere bu jiitu
legs of a right triangle	Tanku angal dura
line parallel to the x- or y-axis	Rëddu paraleelci x walla y
linear equation in one variable	Ikuwaason yu topalaante ci beenn wariyabl
linear inequality in one variable	Inikuwaason yu topalante ci beenn wariyabl
literal equation	Ikuwaason literaal
lowest terms fraction	Teermu farkson bu genne tuti
monomial	monomiyaal
multiplication property of zero	Poropiri miltipilikaason ci neen
opposite side/angle	Weet ak angalyu oposite
parabola	parabool

ENGLISH	WOLOF
parallel	paraleel
polynomial	Li ci polinoom
product	porodi
properties of exponents	Poropiriyete esponaan
proportion	xaaj
Pythagorean Theorem	Tewreemu pitaagor
quadratic equation	Ikuwason kaare
quantitative	Liimu nonbur
quotient	Kosiyon
ratio	raasiyo
relation	lonkoo
right angle	Angal dura
right triangle	Tiriyangal dura
root(s) of an equation	Ay reen ikuwaason
roster form	Melokaanu liist
set	seet
set-builder notation	Seetu defarum binnd
sine	siniis
slope	pant
solution set	Teg saafara
subset	Su ansanbul
sum	Boole
system of linear inequalities	Sisteemu ñak yu topalante
systems of linear equations	Sisteemu ikuwaason yu topalante
tangent	Li jubb
translate (from verbal to symbolic)	Soppi ci lakk (ci wax dem ci mandarga) mandarg
trigonometry	tirigonometiri
trinomial	tirinomial
undefined	Lu gnu fiiri wul
union of sets	Mboolom regalaas
universal set	Ragalaas yu dul soppi
variable	wariyaabul
verbal expression	Wax ci lanmiñ
verbal sentence	Faraasu wax

ENGLISH	WOLOF
vertex	Werteks
x-axis	Aks-x
y-axis	Aks-y
Geometry	Soometiri
absolute value function	Fonkson waleer absolii
angle	angal
area	bërëp
axis of symmetry of a parabola	Aksu simetiri bu parabool
circle	serkal
coefficient	degere
cylinder	silindar
decagon	dekaagoon
exponential function	fonkson esponanseel
function	fonkson
generalize	seneraalise
geometric shape	Melokaanu soometiri
graph of a relation	Bindi lonkolo
hexagon	egsagoon
investigate	gëstu
nonagon	Lu dul agon
octagon	Figiir bu am juroom neet wett
ordered pair	Peeru ord
parabolic function	Fonkson parabool
parallelogram	paralellogaram
pentagon	pantagoon
perimeter	Perimeter
polygon	poligoon
quadrilateral	kuwadirilateer
quarter-circle	Kaaru seerkal
rational coefficient	degere raasioneel
rectangle	rektangal
rectangular solid	Rektangal bu maagg
regular polygon	Poligoon bu tollo
relation	lonkilo

ENGLISH	WOLOF
rhombus	losaans
roots of a parabolic function	Reenu foonkson parabool
sector of a circle	Sekteeru seerkal
semi-circle	Xaaj seerkal
spatial reasoning	Resonma wu jaw ji
square	kaare
surface area	Sirfaasu bërëp
trapezoid	tarapees
triangle	tiriyangal
vertex	Werteks
visualization	Mënë gis
volume	wolliim
Measurement	Naat
appropriate unit	Inite bi waar
conversion	soppi
cubic unit	Initekibb
error	jumte
linear measure	Naat bu topante
linear unit	Inite bu toppante
magnitude	ponjentiir
measurement system	Sisteemu naat
rate	too
relative error	Jumte bu yemamay
square unit	Inite kaare
unit	inite
Statistics and Probability	Statistiik ak porobaabilite
appropriateness	Bi war
biased	soppi
bivariate	biwariyaat
box-and-whisker plot	Intiriigu buwaat ak mustaas
calculated probability	Kalkiilu porobaabilite
categorize	pacc
causation	waral

ENGLISH	WOLOF
central tendency	Modeelu digg
complement	matal
conditional probability	Porobaabilite bu kondiison
correlation	lonkoo
cumulative frequency distribution table	Taabulu xaajum ferekansu kimile
cumulative frequency histogram	Histogaraamu feremans kimile
data	doné
dependent events	Xew xew bu depan
dependent variable	Wariyabul bu dependr
element	elema
empirical probability	Porobaabilite bu ispiriyaans laal
experimental design	madeel ispiriyaans
extrapolation	Genne kaaduru
favorable event	Xew xew bu faworaabul
finite sample space	Palaasu isantiyon
five statistical summary	Juroomi ténkum estatistiik
frequency distribution table	Taabalu seedle ferekaans
histogram	istoogaram
independent events	Xew xew yu depandurul
independent variable	Wariyaabul yu depandurul
interpolation	Lonkoloo diggante pool yi
line of best fit	Réd bu gnu genne asuste
linear transformation	Soppite yu topallante
maximum	Li genne bëri
mean	firi
measure of central tendency	Naatum modeelu digg
median	mijaan
minimum	Li gënne neew
mode	mood
mutually exclusive events	Xew xew partikile yu annd
not mutually exclusive events	Xew xew partikile yu anndul
percentile rank	Raanwu pursantaas
probability	porobaabilite
qualitative	Li am kaliite
quantitative	Liimu nonbur bu bëri

ENGLISH	WOLOF
quartiles (specifically: first, second, third or lower, middle, upper)	Kartiilu (espesiaalma njëkk;ɲaarel: ɲeetel, walla bu genne ndaaw, dig, genne kawé)
range	inteerwaal
sample space	Palaasu isantiyon
scatter plot	Parseel bi tassaro
series	guruupu
univariate	Beenn variyete

NYS Grades 9 – 12 Math Terms Addenda

Common Core Math Standard	ENGLISH	WOLOF
N-RN.B.3	non-zero rational number	limukaayu xelu bu bokkal ak neen
A-SSE.A.1	difference of squares, example: $(a^2 - b^2)$	wuuteek ñeenti koñ, misaal: $(a^2 - b^2)$
A-SSE.A.1	square of a difference, example: $(a - b)^2$	ñeenti koñi wuute, misaal: $(a - b)^2$
A-SSE.B.3	equivalent monthly interest rate	njègu ñjèriñu weer bu tolloo
A-CED.A.1	exponential equation	ekuwaasioŋ eksponasiyel
A-CED.A.3	non-viable options (inequalities)	tànnéef yu baaxatul (ay ñàkk-tolloo)
A-CED.A.3	viable options (inequalities)	tànnéef yu baax (ay ñàkk-tolloo)
A-REI.A.1	viable argument	tegtal yu baax
A-REI.D.12	half-plane	genwàlu palaŋ
A-REI.D.11	logarithm function	man-manu logarithm
F-IF.C.8	piece-wise defined function	man-man buñ tekki cig pàcc
F-IF.C.8	step function	man-manu jéego
F-IF.C.8	absolute-value function	man-manu njègu cosaan
F-BF.A.1	recursive process	doxaliin guy delluwaat
F-Bf.B.3	even function	man-manu xew-xew
F-BF.B.3	odd function	man-manu tóol
F-LE.A.1	constant percent rate	njègu cig-ñaar-fukk budul soppeeku
S-ID.B.5	categorical data	njoxey kërale
S-ID.B.5	joint frequency	xél gu boolo
S-ID.B.5	marginal frequency	xél gu marginal
S-ID.B.5	conditional relative frequency	xélug bokk anam
S-ID.B.6	fit of a function	tollole ab man-man
S-ID.B.6	residuals	desits yi
S-ID.C.8	correlation coefficient	kowefisiyaa jokkale
S-ID.C.8	linear fit	tollole jubal
S-ID.C.9	correlation and causation	jokkale ak sababal
S-ID.C8	linearity	jubalaay
S-ID.C8	linear phenomenon	fenomenu jubal
N-Q.A.3	data point	tombu joxe
N.C.N.4	complex plane	palaŋ bu jafe
N.C.N.5	conjugation of complex numbers	limug nimeru yu jafe
N-V.M.6	incidence relationship (payoff)	digante wàccug yoon (payoor)
N-Q.A.2	descriptive modeling	tëgginug xamle
S-REI.A.2	algebraic manipulation	teyeg algebrik

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