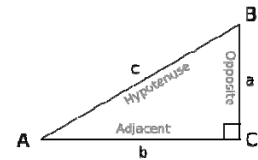
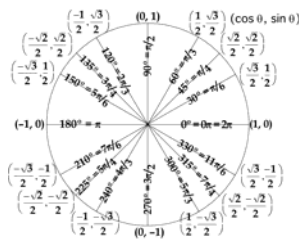


Glossary

High School Level Algebra **2** Glossary

English | Fulani

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 World Languages

<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.	Rochester
ROGER TILLES, B.A., J.D.	Great Neck
LESTER W. YOUNG, JR., B.S., M.S., Ed.D.	Beechhurst
CHRISTINE D. CEA, B.A., M.A., Ph.D.	Staten Island
WADE S. NORWOOD, B.A.	Rochester
KATHLEEN M. CASHIN, B.S., M.S., Ed.D.	Brooklyn
JAMES E. COTTRELL, B.S., M.D.	New York
JOSEPHINE VICTORIA FINN, B.A., J.D.	Monticello
JUDITH CHIN, M.S. in Ed.	Little Neck
BEVERLY L. OUDERKIRK, B.S. in Ed., M.S. in Ed.	Morristown
CATHERINE COLLINS, R.N., N.P., B.S., M.S. in Ed., Ed.D.	Buffalo
JUDITH JOHNSON, B.A., M.A., C.A.S.	New Hempstead
NAN EILEEN MEAD, B.A.	Manhattan
ELIZABETH S. HAKANSON, A.S., M.S., C.A.S.	Syracuse
LUIS O. REYES, B.A., M.A., Ph.D.	New York
SUSAN W. MITTLER, B.S., M.S.	Ithaca

Commissioner of Education and President of The University

MARYELLEN ELIA

Executive Deputy Commissioner

ELIZABETH R. 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 and Access, Room 530, Education Building, Albany, NY 12234.

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
Problem Solving	Safrude Cadeele
algebraically	aljebiraaku
alternate approach	tokkirol gonngol
collaborate	hawta
conjecture	fotootiro
constraint	cadeele
critique	tiimtoo
equivalent	fottida
evaluate	raarta
explain	fammina
formulate	hawta
generalization	yaajina
graphically	nder footooji
interpret	firta
multiple representations	darande duudde
numerically	nder limngal
observe	maandoo
parameter	foondirde
strategy	dabare
verbally	e hunnduko
Reasoning and Proof	Numuki e Seyda
argument	yeddootiro
axiom	laabka
conclusion	mabboode
conjecture	fotootiro
counterexample	keeroo yeru
discover	yi'ita

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
exact answer	nooto tiitey
explain	fammina
explore	lincita
general case	haala non
inductive reasoning	numuki nder bernde
Informal indirect proof	seyda barnaaka ka winndaaka
investigate	lincita
justify	tabbitina
refute	yedda
specific result	wattam tabbutudam
theorem	teworem
Communication	Maatootiro
accuracy	fottida
appropriate	kaandudum
challenge	cadeele
chart	diidol
coherent	yida
comprehension	faamuki
conjecture	fotootiro
decoding	nastina
diagram	footowol
equation	nanndudum
formula	laawol
function	huuwuki
graph	footowol
interpretation	firtuki
logical argument	yeddootiro ngo hakkiilo
mathematical representation	darorde limngal

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
numerical tables	alluhal limngal
organize	siryoo
outline	wanngina
rationale	hakkiilo
reflect	hiitoo
standard notation	limngal jamal
strategy	laawol
symbol	annama
technical writing	binndi mbaawaangu
terminology	kelme
validity	tabbitinaaka
verbal explanation	famminnde demngal
written explanation	famminnde binndol
Connections	Jokke
concept	jogaande
conclusion	mabboode
formulate	hawta
multiple representation	darorde duudde
physical model	suura semmbidka
procedure	jahargal
quantitative model	suura duudka
representation	darorde
Representation	Daranaaki
algebraic representation	daranaaki aljibiral
apply	wadde
chart	diidol
communicate	maatootira

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
compare	nanndina
concept	jogaande
diagram	suura
equation	fottida
explore	llincita
graph	diidol
graphical representation	darorde footowol
investigate	lincita
mathematical phenomena	huunde limle
multiple representations	darorde duudde
organize	siryoo
physical object	huunde semmbinde
physical phenomena	huunde semmbe
recognize	hebta
record	winnda
social phenomena	huunde wedditaare
symbol	annama
table	alluwal
technology	mbaawaangu
translate	firta
Number Sense and Operations	Hakkiilo Limngal e Kuude
a+bi form	nanndi a+bi
absolute value	bote keyude
complex fraction	feccere ñikkunde
complex number	limngal ñikkungal
conjugate	aada
direct variation	tiitoo feerootira
<i>e</i>	<i>e</i>

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
fractional exponent	wurtina feccere
i	i
imaginary number	limngal numaangal
index of a radical	holluki dadol
inverse variation	feerootirki hippii
irrational number	limngal ngal faamaaka
negative exponent	wannginki ki jabaaka
n th root	dadol joweenabol
operation	kuugal
pi	pi
powers of i	semmba i
principal square root	hoore sukoya rut
procedure	laawol
radical	dadol
radical form	no dadol wayi
radicand	dadungol
rational number	limngal ngal hoore
rationalize a denominator	wo'ina limngal leswal
real number	limngal goonga
scientific notation	nonnde kiimiiyaaku
sigma	siinun
sigma notation	binndol siinun
Algebra	Aljabar
abscissa	absissa
absolute value	bote keyude
absolute value equation	nannduki bote keyude
absolute value function	kuude bote keyude
absolute value inequality	peerootiral bote keyude

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
adjacent angles	cobbuli badootirdi
adjacent sides	buttuli badootirdi
algebraic expression	mburtinol aljabar
algebraic representation	darnannde aljabar
ambiguous case	haala jiibiika
amplitude	yaajeende
analyze	saartude
angle	sobbundu
angle in standard position	sobbundu heewundu
angle of depression	sobbundu dirtundu
angle of elevation	sobbundu bantiindu
antilogarithm	yaadataa logaritim
approximate value	bote badiide
arc length	juutal wuurannde
arc cosine	koosin wuuraande
arc sine	koosin wuuraande
arc tangent	keerol diggol guuriingol
area of a parallelogram using SAS	ñayri leliinga to naftirii SAS
area of a triangle using SAS	ñayri kaataneha to naftirii SAS
arithmetic sequence	tokkootiro limle
arithmetic series	limle tokkootirde
asymptote	keerol diggol
base	ɗaɗol
base of a logarithmic function	ɗaɗol kuugal logaritim
base of an exponential function	ɗaɗol kuugal mburtinol
binomial expansion	jaajol kunndude didi
binomial theorem	tiyoorem kunndude didi
center-radius equation of a circle	juutal gila caka tarde nanndalla

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
central angle	sobbundu cakaaru
circle	tarde
circular functions	kuude taariide
coefficient	wallitira
cofunctions	huuwgootal
common base (s)	ɗadi gooti
common difference	peerootiral gootal
common factor	cenndal gootal
common logarithm	loogaritmo gooto
common ratio	cenndo wooto
completing the square	hebbitinki sukoya
complex fractional expressions	burtini peccol jiiɓiidi
compositions of functions	kawte kuude
compound interest	besdaari ñowiindi
constant function	kuugal joodiingal
cosecant	walla sobbundu takkootirndu
cosine	koosin
cotangent	walla tanje
degree of a polynomial	weedaaki duuda buttuli
difference of two perfect squares	peerootiral sukoyaaje diɗi potude
direct variation	peerootiral yeesowal
discriminant	kakitaado
domain	yayre
double and half angle formulas for trigonometric function	laabi cobbuli diɗi malla feccere woore ngam kuugal cobbuli tati
double root	ɗadi diɗi
e	e
equation	fotuki

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
equivalent forms	kuuje pottudude
exact value	bote potude
expand a binomial	yaajina duuda geese
explicit definition	pirtol laabungol
exponential form	mbaadi yaasi
exponential function	kuugal yaasi
extraneous root	dadol yaasiwol
factor	dadol
fractional exponent	feccere yaasi
frequency (of a periodic function)	duudal (ngal kuugal wakkatiire)
function	kuugal
function notation	nanndi kuugal
geometric sequence	yaadu jomeetiral
geometric series	yaho jomeetiral
graphical solution of equations	diidol kawte nanndude
greatest common factor (GCF)	dadol burngol taweeki (GCF)
growth factor	dadol manngu
half-life	senndere-yonki
i	i
identities	hebtuki
initial side of an angle	wuttudu arande sobundu
inverse function	kuugal kippaangal
inverse trigonometric functions	kuude kippaade de limngal tatiwal
inverse variation	peerootiral kippaangal
law of Cosines	jahargal Koosin
laws of Sines	jahargal Siin
laws of exponents	jahargal burtiide
laws of logarithms	jahargal logaaritm

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
linear equation	pottidol diggol
linear expression	wi'uki diggol
linear systems	ɗate diggol
logarithm	logaaritm
logarithmic form	mbaadi logaritm
lowest terms	kelme lestude fuu
nature of the roots	no ɗadi ngoni
negative exponent	yaasi jabaaka
n th root	ɗaɗol limngal
n th term	kalimawol limngal
one cycle of a trigonometric function	tarde kuugal diggol geese tati
one-to-one function	kuugal laabngal
onto	to
opposite side in a right triangle	buttuli dardiidi to kaataneha nyaamo
ordinate	wodɗoo
parabola	parabolu
parameter	poondirgal
period (of a function)	yaake(kuugal)
periodic function	yaakewal(kuugal)
phase shift	wayluki fecco
polynomial expression	wi'uki duudaha
polynomial function	kuugal duudawal
Powers of i	Semmba i
Pythagorean identities	Teengtindi Pitaagoor
quadrant angle	sobbundu nayiiru
quadratic equation	fottude nayiire
quadratic formula	laawol nayiiwol
quadratic inequality	soynde fottude nayiire

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
quadratic trinomial	gebe tati nayiije
radius	ñayri tarde
range (of a function)	kewtal (kuugal)
rational coefficient	yaho yaadungo
rational equation	foto yaadungo
rational expression	wi'uki yaaduki
rational inequality	fottidataa yaadudum
rationalize denominators	lesje yaadude
reciprocal trigonometric functions	kuude ballootirooje de diidol tatiyol
recursive definition	bayaanu puɗɗitoojum
reference angle	sobbundu tinndinirteendu
relation	banndiigu
replacement	wattutuki
represent	daranoo
restricted domain	hakitaande
resultant	wattam
right triangle trigonometry	tatiire kaataneha nyaamo
root of an equation	ɗaɗol fottindinki
secant (of an angle)	tayol (ngol sobbundu)
sigma notation	binndol siinun
sine	sin
solution set	kawtirde
standard position (of an angle)	darorde tilimnde (nde sobbundu)
subset	tumboo nder
sum and product or roots of a quadratic equation	wattam kawtal e sowol malla ɗaɗi fottuki nayiire
sum of an arithmetic series	kawtal jeeri limngal
sum of a geometric series	kawtal jeeri jeemeetiri
systems of equations/inequalities	jaharle pottande/naa pottande

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
tangent (of an angle)	fotirde (sobɓundu)
technology	mbaawaangu
terminal side of an angle	fecco re'irde sobɓundu
transformation	waylaaki
transformations of functions and relations	waylaaki kuude e banndiigu
trigonometric equation	fottuki tatiire
trigonometric functions	kuugal tatiire
unit circle	tobbere tarde
variable	mamre
vector	diggol
vertical line test	foondo diggol baaliingol
zero of a function	kuugal dariingal dow hownde
zero product property	kebal dow hownde
Geometry	Jeomeetiri
absolute value	bote tabbutuɗe
absolute value equation	bote fotande tabbutunde
absolute value inequality	bote naa fota tabbutuɗe
angle in standard position	sobɓundu wonndu nder darnde mawnde
angle of depression	sobɓundu lestundu
angle of elevation	sobɓundu dariindu
area of a parallelogram using SAS	ñayri leliinga laawol SAS
area of a triangle using SAS	ñayri kaataneha laawol SAS
circle	tarde
coefficient	yaado
function	kuugal
generalize	nannditina
geometric representation of a circular function	kuugal tarde darannde jeomeetiri

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
graph of a relation	hollirki banndiigu diidol
graphical representation	darande nder diidol
graphical solution of equations	holluki pottidande nder diidol
investigate	lincita
ordered pair	hawta dīdi nder ooda
parabola	paraboolu
rational coefficient	yaho yaadungo
rectangular coordinates	kosde soorooruha
relation	banndiigu
root of an equation	ɗaɗol fottande
sector of a circle	yebre tarde
slope	dirtol
triangle	kaataneha
vertex	dow
visualization	jiigol
Measurement	Poondol
arc length	juutal wuurannde
degree measure	foonda duudal
measure of central angle	foonda sobbundu cakaaru
minute	simili
radian measure	foonda jayngol
Statistics and Probability	Lime e Tammuye
at least	bano sedɗa
at most	taa yabboo
Bernoulli experiments	poonde Bernuuli
biased sample	yeru wonnaandu
bimodal	ɗemɗe dīdi

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
binomial probability formula	laawol tammuye demde didi
bivariate data	kebe peerootirde didi
central tendency	tammuye caka
combination	hawtuki
compound event	kumtal ñikkungal
conjecture	seko
controlled experiment	poondol jogaangol
correlation coefficient	yaho nanndungo
counting principle	Laawol limirgol
exactly	deydey
experimental probability	tammuye poondaade
extrapolate	burtude
frequency (of a data set)	ɗuudal (ngal kebe)
frequency distribution	sennduki ɗuudal
grouped frequency distribution	kasoo senndo ɗuudal
index in statistics	kollol nder lime
interpolate	foonda
interquartile range	yaho hakkunde nayiire
least squares regression line	diggol baawowol ngol sukoyaaje sedda
line of best fit	diggol burdudum fotuki
linear regression	bustaaki diggol
mean	caka
measure of central tendency	poondol laataaki caka
measure of dispersion	poondol senndirki
median	caka
mode	etirgal
normal curve	wuuraaki anndaaki
normal distribution	senndo anndaango

ALGEBRA 2 & TRIGONOMETRY - HIGH SCHOOL LEVEL

ENGLISH	FULANI
observation	maandaaki
outlier	bonannde
Pascal's triangle	kaataneha Paskal
percentile	nder teemerre
permutation	nastindira
probability	tammuye
quartiles	nayiije
random sample	yeru moye fuu
range (of a data set)	yahoo (kebe)
regression equation	fottidinirki baawo
regression model	suurina baawo
sample space	yeru yayre
scatter plot	we''ito sankitiingo
standard deviation (population)	celol jamol (duudal himbe)
standard deviation (sample)	celol jamol (yeru)
statistics	lime
survey	sewtoo
technology	mbaawaangu
theoretical probability	mbaawaangu bi'ol
univariate data	kebe feereeje
variance (population)	feerortiki (duudal leñol)
variance (sample)	feerootirki (yeru)

NYS Grades 9 – 12 Math Terms Addenda

Common Core Math Standard	ENGLISH	FULANI
N-RN.B.3	non-zero rational number	limngal walaa hownde jabaangal
A-SSE.A.1	difference of squares, example: $(a^2 - b^2)$	ittuki nder cukoyaaaji, yeru: $(a^2 - b^2)$
A-SSE.A.1	square of a difference, example: $(a - b)^2$	sukoyoo ittol, yeru: $(a - b)^2$
A-SSE.B.3	equivalent monthly interest rate	kewtal duudal besdaari lewru
A-CED.A.1	exponential equation	potal sowaangal
A-CED.A.3	non-viable options (inequalities)	date de kebtataa (njaadataa)
A-CED.A.3	viable options (inequalities)	date mburtinayde (njaadataa)
A-REI.A.1	viable argument	haala potuka
A-REI.D.12	half-plane	senndere-njayri
A-REI.D.11	logarithm function	jahargal loogaaritm
F-IF.C.8	piece-wise defined function	jahargal burtinaangal cenndaangal
F-IF.C.8	step function	jahargal yaabannde
F-IF.C.8	absolute-value function	jahargal tummbiingal nder gedal
F-BF.A.1	recursive process	pudditoowal
F-Bf.B.3	even function	jahargal potungal
F-BF.B.3	odd function	jahargal jooral
F-LE.A.1	constant percent rate	duudal teemerre dariingal
S-ID.B.5	categorical data	kebal laabngal
S-ID.B.5	joint frequency	jomindiral nannde
S-ID.B.5	marginal frequency	jomindiral peccal
S-ID.B.5	conditional relative frequency	jomindiral teemawal
S-ID.B.6	fit of a function	hewta jomindiral
S-ID.B.6	residuals	luttaanooji
S-ID.C.8	correlation coefficient	nanndootiro
S-ID.C.8	linear fit	hewta diidi
S-ID.C.9	correlation and causation	nanndal e sabaabu
S-ID.C8	linearity	diidiiku
S-ID.C8	linear phenomenon	diidiiku kew
N-Q.A.3	data point	darorde kebal
N.C.N.4	complex plane	njayri cukkundi
N.C.N.5	conjugation of complex numbers	hawtindiro limde cukkude
N-V.M.6	incidence relationship (payoff)	nanndootiral fofaano (yobida)
N-Q.A.2	descriptive modeling	tinndintoonde
S-REI.A.2	algebraic manipulation	mbadu aljabaru

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