

# Glossary

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**High School Level**

## Integrated Algebra Glossary

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**English / Bosnian**

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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**

<b>ENGLISH</b>	<b>BOSNIAN</b>
<b>Problem Solving</b>	<b>Rješavanje problema</b>
algebraically	algebarski
concept	koncept
conjecture	pretpostavka
constraint	ograničenje
equivalent	ekvivalent
formulate	formulisati
generalization	generalizacija
graphically	grafički
multiple representations	višestruke reprezentacije
numerically	numerički
parameter	parametar
pattern	obrazac
relative efficiency	relativna efikasnost
strategy	strategija
verbally	usmeno
<b>Reasoning and Proof</b>	<b>Obrazloženje i dokaz</b>
appropriate	odgovarajuće
approximation	aproksimacija
argument	argument
claim	tvrdnja
conclusion	zaključak
conjecture	pretpostavka
counterexample	suprotan primjer
explain	objasniti
inductive reasoning	induktivno zaključivanje
logical argument	logički argument
mathematical conjecture	matematička pretpostavka
proof	dokaz
refute	opovrgnuti
systematic approach	sistematski pristup
validity	vrijednost
Venn diagram	Vennov dijagram
verify	provjeriti
<b>Communication</b>	<b>Komunikacija</b>
accuracy	tačnost
analyze	analizirati
argument	argument

**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
coherent	koherentno
communicate	komunicirati
comprehension	razumijevanje
conclusion	zaključak
conjecture	pretpostavka
decoding	dekodiranje
elicit	navoditi na rješenje
equation	jednačina
evaluate	procijeniti
extend	proširiti
formula	formula
function	funkcija
graph	grafikon
interpretation	interpretacija (diskusija)
mathematical visual	matematički vizuelni prikaz
rationale	obrazloženje
standard (mathematical) notation	standardni (matematički) zapis
strategy	strategija
table	tabela
technical writer	tehnički pisac
terminology	terminologija
valid	validan
valid	validan
<b>Connections</b>	<b>Veze</b>
coherent whole	koherentna cjelina
concept	koncept
connection	veza
formulate	formulacija
physical model	fizički model
procedure	procedura
quantitative model	kvantitativni model
representation	predstavljanje
<b>Representation</b>	<b>Predstavljanje</b>
angle of elevation	ugao uspona
array	niz
chart	grafikon
compare	porediti
diagram	dijagram
equation	jednačina

**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
function	funkcija
graph	grafikon
interpret	protumačiti
mathematical phenomena	matematički fenomen
organize	organizirati
physical phenomena	fizički fenomen
profit	profit
record	zapis
social phenomena	društveni fenomen
symbol	simbol
table	tabela
technology	tehnologija
translate	prevesti
<b>Number Sense and Operations</b>	<b>Rezumijevanje brojeva i operacija</b>
absolute value	apsolutna vrijednost
algebraic problem	algebarski problem
arithmetic operation	aritmetička operacija
arrangements (permutations)	permutacije
associative property	asocijativnost
closure property	zatvorenost
commutative property	komutativnost
counting techniques	tehnike brojanja
decimal	decimalno
denominator	imenilac
discount	popust
distributive property	distributivnost
exponential expression	eksponencijalni izraz
expression	izraz
factorial	faktorijel
field	polje
fraction	razlomak
Fundamental Principal of Counting	osnovni principi brojanja
group	grupa
identify property	jedinstvenost
inverse property	inverznost
like / unlike radical terms	izrazi sa jednakim/različitim korenima
number theory	teorija brojeva
numerator	brojilac
percent of increase / decrease	postotak rasta/pada
product	proizvod

**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
properties of the real numbers	svojstva realnih brojeva
proportionality / direct variation	direktna proporcionalnost
quotient	količnik
radical	korijen
radicand	potkorjena veličina
real numbers	realni brojevi
scientific notation	naučna notacija
simplest form	najjednostavniji oblik
variable	varijabla
<b>Algebra</b>	<b>Algebra</b>
acute angle	oštar ugao
adjacent side / angle	susjedna strana/ugao
algebraic equation	algebarska jednačina
algebraic expression	algebarski izraz
algebraic fraction	algebarski razlomak
analyze	analizirati
axis of symmetry	osa simetrije
binomial	binom
coefficient	koeficijent
common base	zajednička osnova
complement of a subset	komplement podskupa
coordinates	koordinate
cosine	kosinus
dependent	zavisna promjenljiva
difference of two perfect squares	razlika dva savršena kvadrata
element	element
equation	jednačina
exponent	eksponent
exponential growth and decay	eksponencijalni rast i pad
expression	izraz
factoring	faktorizacija
fractional expression	izraz sa razlomkom
greatest common factor (GCF)	najveći zajednički djelilac (NZD)
hypotenuse	hipotenuza
independent variable	nezavisna varijabla
inequality	nejednakost
integer	cijeli broj
integral coefficient	cjelobrojni koeficijent
integral exponent	cjelobrojni eksponent
integral root (s)	cjelobrojni korijen(i)

**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
intersection of sets	presjek skupova
interval notation	zapisivanje intervala
lead coefficient	vodeći koeficijent
legs of a right triangle	katetepravouglog trougla
line parallel to the x- or y-axis	prava paralelna sa x ili y osom
linear equation in one variable	linearna jednačina sa jednom nepoznatom
linear inequality in one variable	linearna nejednačina sa jednom nepoznatom
literal equation	jednačina sa više varijabli
lowest term fraction	skraćivanje razlomka
monomial	monom
multiplication property of zero	svojstvo množenja sa nulom
opposite side / angle	suprotna strana/ ugao
parabola	parabola
parallel	paralelno
polynomial	polinom
product	proizvod
properties of exponents	svojstva stepenovanja
proportion	proporcija
Pythagorean Theorem	Pitagorina teorema
quadratic equation	kvadratna jednačina
quantitative	kvantitativno
quotient	količnik
ratio	odnos
relation	relacija
right angle	praviugao
right triangle	pravougli trougla
root (s) of an equation	korijen(i) jednačine
roster form	skup zadat nabranjem
set	skup
set-builder notation	pravila za obilježavanje skupa
sine	sinus
slope	nagib
solution set	skup rješenja
subset	podskup
sum	suma
system of linear inequalities	sistem linearnih nejednačina
system of linear equations	sistem linearnih jednačina
tangent	tangens
translate (from verbal to symbolic)	prijevod (iz usmenog na simbole)
trigonometry	trigonometrija
trinomial	trinom

**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
undefined	nedefinisan
union of sets	unija skupova
universal set	univerzalni skup
variable	varijabla
verbal expression	verbalni izraz
verbal sentence	verbalna rečenica
vertex	tjeme
x-axis	x osa
y-axis	y osa
<b>Geometry</b>	<b>Geometrija</b>
absolute value function	apsolutna vrijednost funkcije
angle	ugao
area	površina
axis of symmetry of a parabola	osa simetrije parabole
circle	krug
coefficient	koeficijent
cylinder	cilindar
decagon	dekagon
exponential function	eksponencijalna funkcija
function	funkcija
generalize	generalizovati (uopštiti)
geometric shape	geometrijski oblik
graph of a relation	grafikon relacije
hexagon	šestougao
investigate	istražiti
nonagon	devetougao
octagon	osmougao
ordered pair	uređeni par
parabolic function	kvadratna funkcija
parallelogram	paralelogram
pentagon	petougao
perimeter	obim
polygon	mnogougao
quadrilateral	četvorougao
quarter-circle	četvrtina kruga
rational coefficient	racionalni koeficijent
rectangle	pravougaonik
rectangular solid	poliedar
regular polygon	pravilan mnogougao
relation	razmjer



**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
rhombus	romb
roots of a parabolic function	korijeni kvadratne funkcije
sector of a circle	isječak kruga
semi-circle	polukrug
spatial reasoning	prostorno rasuđivanje
square	kvadrat
surface area	površina
trapezoid	trapez
triangle	trougao
vertex	tjeme
visualization	vizualizacija
volume	zapremina
<b>Measurement</b>	<b>Mjerenje</b>
appropriate unit	odgovarajuća jedinica mjere
conversion	konverzija
cubic unit	jedinica zapremine
error	greška
linear measure	mjerenje dužine
linear unit	jedinica dužine
magnitude	veličina
measurement system	mjerni sistem
rate	odnos
relative error	relativna greška
square unit	jedinica površine
unit	jedinica
<b>Statistics and Probability</b>	<b>Statistika i vjerovatnoća</b>
appropriateness	podesnost
biased	pristrasnost
bivariate	dvije vrijednosti
box-and-whisker plot	kutijasti dijagram
calculated probability	izračunata vjerovatnoća
categorize	kategorisati
causation	uzročnost
central tendency	centralna tendencija
complement	komplement
conditional probability	uslovna vjerovatnoća
correlation	korelacija
cumulative frequency distribution table	kumulativna frekvenca distributivne tabele

**INTEGRATED ALGEBRA GLOSSARY - HIGH SCHOOL LEVEL**

<b>ENGLISH</b>	<b>BOSNIAN</b>
cumulative frequency histogram	histogram kumulativne frekvence
data	podatak
dependent events	zavisni događaji
dependent variable	zavisna varijabla
element	elemenat
empirical probability	empirijska vjerovatnoća
experimental design	eksperimentalni dizajn
extrapolation	ekstrapolacija
favorable event	povoljan događaj
finite simple space	konačni jednostavni prostor
five statistical summary	sažetak od pet statističkih osobina
frequency distribution table	tabela distribucije frekvence
histogram	histogram
independent events	nezavisni događaji
independent variable	nezavisna varijabla
interpolation	interpolacija
line of best fit	linija trenda
linear transformation	linearna transformacija
maximum	maksimum
mean	aritmetička sredina
measure of central tendency	mjere centralne tendencije
median	medijan
minimum	minimum
mode	mod
mutually exclusive events	uzajamno isključujući događaji
not mutually exclusive events	uzajamno neisključujući događaji
percentile rank	rang procenta
probability	vjerovatnoća
qualitative	kvalitativno
quantitative	kvantitativno
quartiles (specifically : first, second, third or, lower, middle, upper)	kvartili (konkretno: prvi, drugi, treći ili donji, srednji gornji)
range	raspon
scatter plot	tačkasti dijagram
series	nizovi
univariate	zavisno od jedne varijable