

MATHEMATICS ACADEMIC VOCABULARY LIST (Sorted by family frequency)
AWL Words Bolded
Most Frequent Types Italicized

equate

equation

equations

graph

graphic

graphing

graphs

area

areas

fraction

fractional

fractions

chapter

chapters

data

triangle

triangles

triangular

percent

percentage

percents

decimal

decimals

factor

factored

factoring

factorization

factors

mathematics

math

mathematical

mathematician

mathematicians

meter

centimeter

centimeters

kilometer

kilometers
meters
metric
millimeter
millimeters

estimate

estimated
estimates
estimating
estimation

rectangle

rectangles
rectangular

subtract

subtracted
subtracting
subtraction

integer

integers

vary

variable
variables
variation
varies

sum

sums

algebra

algebraic

function

functions

volume

volumes

height

cube

cubes

cubic

proportion

proportional
proportions

ratio

ratios

coordinate

coordinates

evaluate

evaluating

formula

formulas

formulate

negate

negative

perimeter

denominator

denominators

exponent

exponential

exponents

rational

irrational

positive

plot

plots

prism

prisms

linear

nonlinear

similar

similarity

similarly

equivalent

equivalents

score

scored

scores

dimension

dimensional

dimensions

vocabulary

geometry

geometric

method

methods

tile

tiles

digit

digits

identify

identified

identifies

identifying

identity

congruous

congruence

congruent

analyze

analysis

analyzing

polygon

polygons

vertex

vertices

sequence

sequences

display

displayed

displaying

displays

diagram

prime

select

selected

selecting

selection

selections

selects

quotient

quotients

median

survey

surveyed

surveys

strategy

strategies

intercept

intercepts

team

teams

mental

mentally

axis

diameter

range

ranges

segment

segments

outcome

outcomes

cylinder

cylinders

polynomial

polynomials

substitute

substituted

substituting

substitution

label

labeled

labels

concept

concepts

symbol

symbolic

symbols

parallelogram

parallelograms

notate

notation

predict

predicted

prediction

predictions

inequalities

pyramid

pyramids

correspond

corresponds

corresponding

numerator

numerators

involve

involved

involves

involving

approximate

approximately

approximation

random

randomly

radius

convert

conversion

conversions

converting

item

items

circumference

compute

computation

computer

computers

computing

mode

homework

section

sections

marble

marbles

divisor

divisible

divisibility

justify

justification
challenge
distribute
 distributed
 distribution
 distributive
parallel
vertical
error
 errors
appropriate
source
locate
 located
 location
 locations
create
 created
 creating
ounce
 ounces
project
grade
 graders
symmetry
quadratic
rotate
 rotation
 rotational
 rotations
image
 images
link
cone
 cones
quiz
column
 columns
inverse
design

designed
designing
designs

laboratory
lab

construct

constructed
constructing
construction

statistic

statistical
statistics

conclude

conclusion
conclusions

odd

odds

trapezoid
trapezoids

reciprocal
reciprocals

input

inputs

movie
movies

quadrilateral

define

defined
definition
definitions
undefined

indicate

indicated
indicates

perpendicular

constant

plus

sketch

discount

transform

transformation
transformations

output

outputs

spinner

region

regions

grid

investigate

investigating

investigation

pizza

occur

occurred

occurring

occurs

horizontal

rewrite

compass

cell

cells

theorem

acute

goal

goals

interval

intervals

baseball

basketball

obtuse

purchase

purchased

purchases

counter

counters

adult

adults

process

processes

compound

compounded
respond
response
responses
online
complement
complementary
chart
charts
domain
previous
previously
target
targeted
remove
removed
removing
parenthesis
parentheses
hypotenuse
calorie
calories
period
periods
commutative
illustrate
illustrated
illustrates
illustration
supplement
supplementary
annual
annually
objective
spreadsheet
theory
theoretical
arithmetic
cumulative
maximize

maximum
summary
summarize
final
finally
lateral
hint
tank
job
jobs
keyword
requisite
prerequisite
workbook
associative
require
required
requires
affect
affected
affects
assess
assessment
bias
biased
unbiased
tape
tapes
radical
radicals
technology
capacity
available
eliminate
eliminated
elimination
assume
assuming
principal
logic

logical
trace
tracing
sphere
spheres
interpret
interpreting
topic
topics
simulate
simulation
invest
invested
investment
option
options
expand
expanded
fee
sector
sectors
income
principle
trend
trends
accurate
accuracy
accurately
route
routes
adjacent
compatible
generate
generated
precise
precision
terminate
terminating
minimum
focus

reverse

reversing

proceed

procedure

procedures

commission

research

element

elements

layer

layers

consume

consumed

consumer

category

categories

portion

code

codes

technique

techniques

index

significant

vehicle

vehicles

consist

consists

site

resource

resources

physical

partner

energy

initial

isolate

specific

journal

visual

visualize

overlap

overlapping

normal

complex

task

tasks

demonstrate

medium

equip

equipment

identical

alter

alternate

voluntary

volunteer

volunteers

transport

transportation

conduct

conducted

assign

assigned

obtain

obtained

individual

file

fund

fundamental

maintain

maintaining

document

major

converse

convince

convincing

exclude

exclusive

finite

infinite

infinitely

mutual

mutually

community

register

registered

valid

revolution

revolutions

credit

revise

attach

attached

context

reside

resident

residents

drama

release

released

series

hypothesis

occupy

occupied

instruct

instruction

instructions

exhibit

paragraph

communicate

network

perspective

insert

participate

feature

underlie

underlying

schedule

approach

professional

instance

overall

format

successor

successive

shift

guideline

guidelines

structure

interact

interactive

confirm

license

unique

text

theme

concentrate

labor

environment

contrast

adjust