Geometry

Abscissa

Adjacent × non-adjacent

Altitude

Angle
- acute × obtuse × straight × reflex × complete = full
- Interior × exterior
- arm of an a.
- vertex of an a.
- central a.
- measure of an a.
    - degree (minute, second)
    - radian

Angles
- adjacent
- alternate
- corresponding
- (vertically) opposite
- complementary → complement of an angle
- supplementary → supplement of an angle

Apex

Arc of a Circle

Area

Axis – axes (*pl.*)
- of reflection/ rotation / symmetry

Base
- of a(n) (isosceles) triangle
- of a trapezoid

of a solid figure (e.g. prism, cylinder, cone) × lateral surface/face

Bisect → bisector (*n.*)
- angle bisector

Cartesian coordinates

Cartesian form

Cartesian plane

Centres of a triangle
- centroid (*note*: also in general = centre of gravity/mass)
- orthocentre
- circumcentre
- incentre

Cevian

Chord

Circle → circular (*adj.*)

Circumcircle = circumscribed circle

→ circumscribe (*v.*) → circumscribable (*adj.*)

Circumference

Coincident

Collinear × Noncollinear

Concave geometric figure = non-convex

Concentric

Concurrent

Cone → conical (*adj.*)
- circular c.

Congruence
- c. tests for triangles
- → congruent (*adj.*)

Convex geometric figure

Coordinate plane

Coplanar

Cube

Cuboid

Cylinder → cylindrical (*adj.*)
- circular c.

Degenerate

Diameter

Distance

Double Cone

Edge

Equidistant

Face

Frustum of a cone or pyramid

Geometric Figure
- plane figure
- solid figure

Geometry
- analytic
- synthetic
- plane
- solid
- Euclidean × non-Euclidean
- Elliptic = Riemannian
- Hyperbolic
- Projective

Golden Ratio

Height

Horizontal

Hypotenuse

Ideal elements

Incident → incidence (*n.*)

Incircle = inscribed circle
→ inscribe (*v.*)

Invariant

Isometry

Isosceles Trapezoid

Kite

Law of Cosines

Law of Sines

Leg
- of an isosceles/right triangle / trapezoid

Line
- parallel lines
- skew lines

Line Segment

Locus

Magnitude

Median

Midpoint

Oblique
- o. cone, cylinder, prism, pyramid…

Octants

Ordered Pair

Ordered Triple

Ordinate

Origin

Parallel Postulate

Parallelepiped

Parallelogram

Pencil

Perimeter

Perpendicular (*n.*) → perpendicular (*adj.*) to sth.

Plane

Platonic Solids

Point

Polygon (= *n*-gon)
- Regular ×irregular
- Pentagon, hexagon, …

Polyhedron – polyhedra (*pl.*)
- Regular ×irregular
- Tetrahedron, hexahedron, octahedron, dodecahedron…

Prism

Pyramid

Pythagorean Identities

Pythagorean Theorem

Pythagorean Triple

Quadrants

Quadrics

Quadrilateral

Radius

Ray

Rectangle

Rectangular Coordinates

Regular
- plane figure, e.g. hexagon
- solid, e.g. polyhedra, pyramid, prism

Rhombus

Right figure (e.g. prism, cylinder, pyramid…)
Secant line
Sector of a circle
Segment of a circle
Self-Similarity
Semicircle
Similarity → similar (*adj.*)
- s. tests for triangles

Slant height
Slope of a line
Sphere
Square
Surface
Symmetric
Tangent line – tangent (*adj.*) to
Torus
Transformations
- translation
- rotation
- reflection
  - glide reflection
- dilation
- compression = contraction
- pre-image of a transformation
- image of a transformation

Transversal
Trapezium
Trapezoid
Triangle
- scalene $\times$ isosceles $\times$ equilateral
- obtuse $\times$ acute $\times$ right

Triangle Congruence Tests
Triangle Inequality
Trigonometric Functions
- Sine $\times$ arcsine = inverse sine
- Cosine $\times$ arccosine = inverse cosine
- Tangent $\times$ arctangent = inverse tangent
- Cotangent $\times$ arccotangent = inverse cotangent

Trigonometry
Truncated
- Cone or Pyramid
- Cylinder or prism

Unit Circle
Vertex – vertices (*pl.*)
Vertical
Volume