

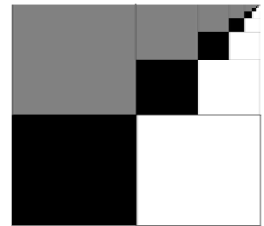
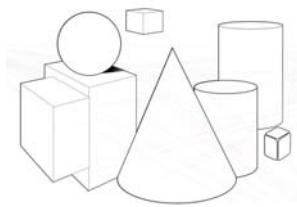
# Glossary

**High School Level**

## Geometry Glossary

**English | Tagalog**

Translation of Geometry terms based on the  
Coursework for Geometry 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 Foreign Language Studies

<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. ....                            | Syracuse        |
| NAN EILEEN MEAD, B.A. ....                                                           | Manhattan       |
| JOSEPHINE VICTORIA FINN, B.A., J.D. ....                                             | Albany          |
| BEVERLY L. OUDERKIRK, B.S., M.S. ....                                                | Saratoga        |
| ELIZABETH S. HAKANSON ....                                                           | Onondaga        |
| CATHERINE COLLINS, B.S., M.S., Ph.D. ....                                            | West New York   |
| JAMES R. TALLON, R., B.A., M.A. ....                                                 | Binghamton      |
| ROGER TILLES, B.A., J.D. ....                                                        | Great Neck      |
| JUDITH JOHNSON, B.A., M.A., Ed.D. ....                                               | Mid-Hudson      |
| LUIS O. REYES, B.A., M.A., Ph.D. ....                                                | New York        |
| LESTER W. YOUNG, JR., B.S., M.S., Ed. D. ....                                        | Oakland Gardens |
| CHRISTINE D. CEA, B.A., M.A., Ph.D. ....                                             | Staten Island   |
| WADE S. NORWOOD, B.A. ....                                                           | Rochester       |
| JUDITH CHIN, B.S., M.S., ....                                                        | Queens          |
| KATHLEEN M. CASHIN, B.S., M.S., Ed.D. ....                                           | Brooklyn        |
| JAMES E. COTTRELL, B.S., M.D. ....                                                   | New York        |

**Commissioner of Education**

**President of The University of the State of New York**

MARY ELLEN ELIA

**Executive Deputy Commissioner**

ELIZABETH 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, Ethics, and Access, Room 530, Education Building, Albany, NY 12234. Requests for additional copies of this publication may be made by contacting the Publications Sales Desk, Room 319, Education Building, Albany, NY 12234.

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>       | <b>TAGALOG</b>                        |
|-------------------------------|---------------------------------------|
| <b>Problem Solving</b>        | <b>Paglutas ng Problema</b>           |
| AA triangle similarity        | Pagkakatulad ng tatsulok na AA        |
| AAA triangle similarity       | Pagkakatulad ng tatsulok na AAA       |
| AAS triangle congruence       | Congruence ng tatsulok na AAS         |
| additive property of equality | katangiang additive ng equality       |
| algorithm                     | algorithm                             |
| apply                         | i-apply                               |
| ASA triangle congruence       | Congruence ng tatsulok na ASA         |
| conjecture                    | haka-haka                             |
| constraints                   | mga restriksiyon                      |
| construct                     | bumuo                                 |
| discover                      | tuklasin                              |
| dynamic geometry software     | software para sa dynamic na geometry  |
| explore                       | galugarin                             |
| generalization                | heneralisasyon                        |
| inductive reasoning           | Inductive na pangangatwiran           |
| justify                       | i-justify                             |
| parameters                    | mga parameter                         |
| reason                        | mangatwiran                           |
| truth value                   | halaga ng katotohanan                 |
| valid argument                | balidong argument                     |
| <b>Reasoning and Proof</b>    | <b>Pangangatwiran at Pagpapatunay</b> |
| AA triangle similarity        | Pagkakatulad ng tatsulok na AA        |
| AAA triangle similarity       | Pagkakatulad ng tatsulok na AAA       |
| AAS triangle congruence       | Congruence ng tatsulok na AAS         |
| analytical proof              | analytical proof                      |
| angle addition postulate      | batayan ng pagdagdag ng anggulo       |
| ASA triangle congruence       | Congruence ng tatsulok na ASA         |
| axiom                         | axiom                                 |
| biconditional                 | biconditional                         |
| conclusion                    | konklusyon                            |
| conditional statement         | conditional na pahayag                |
| conjecture                    | haka-haka                             |
| conjunction                   | conjunction                           |
| contradiction                 | contradiction                         |
| contrapositive of a statement | contrapositive ng isang pahayag       |
| converse of a statement       | converse ng isang pahayag             |
| counterexample                | counterexample                        |
| deductive proof               | deductive na katanayan                |
| deductive reasoning           | deductive na pangangatwiran           |
| definition                    | kahulugan                             |
| disjunction                   | disjunction                           |
| dynamic geometry software     | software para sa dynamic na geometry  |
| equivalence relation          | equivalence relation                  |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>                | <b>TAGALOG</b>                                   |
|----------------------------------------|--------------------------------------------------|
| Euclidean Parallel Postulate           | Euclidean Parallel Postulate                     |
| explain                                | ipaliwanag                                       |
| geometry                               | geometry                                         |
| hypotenuse and leg triangle congruence | congruence ng hypotenuse at ng binti ng tatsulok |
| hypothesis                             | hypothesis                                       |
| indirect proof                         | hindi direktang katunayan                        |
| inductive reasoning                    | inductive na pangangatwiran                      |
| inverse of a statement                 | kabaliktaran ng pahayag                          |
| investigate                            | imbestigahan                                     |
| justify                                | bigyang katwiran                                 |
| logical equivalence                    | logical na equivalence                           |
| negation                               | negation                                         |
| paragraph proof                        | Talataang katunayan                              |
| parallel postulate (s)                 | (mga) parallel na postulate                      |
| proof                                  | katunayan                                        |
| proof by contradiction                 | katunayan sa pamamagitan ng pagkakasalungatan    |
| proportional                           | proportional                                     |
| Pythagorean Theorem                    | Pythagorean na Teorama                           |
| reason                                 | mangatwiran                                      |
| reflexive property of equality         | reflexive property ng equality                   |
| SAS triangle congruence                | congruence ng tatsulok na SAS                    |
| SAS similarity theorem                 | pagkakatulad ng SAS na teorama                   |
| SSS triangle congruence                | congruence ng tatsulok na SSS                    |
| substitution property                  | substitution property                            |
| subtraction property of equality       | subtraction na katangian ng equality             |
| symmetric property of equality         | symmetric na katangian ng equality               |
| theorem                                | teorama                                          |
| transformational proof                 | transformational na pagpapatunay                 |
| transitive property of equality        | transitive na katangian ng equality              |
| truth value                            | halaga ng katotohanan                            |
| two-column proof                       | two-column proof                                 |
| undefined terms                        | mga term na undefined                            |
| union of sets                          | union ng mga set                                 |
| valid argument                         | balidong argument                                |
| <b>Communication</b>                   | <b>Komunikasyon</b>                              |
| axiom                                  | axiom                                            |
| bi-conditional                         | bi-conditional                                   |
| compound statement                     | compound na pahayag                              |
| conclusion                             | conclusion                                       |
| conjecture                             | haka-haka                                        |
| conjunction                            | conjunction                                      |
| contrapositive of a statement          | contrapositive ng isang pahayag                  |
| definition                             | kahulugan                                        |
| disjunction                            | disjunction                                      |
| explain                                | ipaliwanag                                       |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>        | <b>TAGALOG</b>                       |
|--------------------------------|--------------------------------------|
| hypothesis                     | hypothesis                           |
| Inverse of a statement         | Kabaliktaran ng pahayag              |
| justify                        | bigyang katwiran                     |
| negation                       | negation                             |
| theorem                        | teorama                              |
| truth value                    | halaga ng katotohanan                |
| undefined terms                | mga term na undefined                |
| <b>Connections</b>             | <b>Mga Koneksyon</b>                 |
| apply                          | i-apply                              |
| compound locus                 | compound locus                       |
| discover                       | tuklasin                             |
| intersection of sets           | intersection ng mga set              |
| investigate                    | imbestigahan                         |
| spatial relationships          | mga spatial na relasyon              |
| union of sets                  | union ng mga set                     |
| <b>Representation</b>          | <b>Representasyon</b>                |
| analytical geometry            | analytical geometry                  |
| coordinate geometry            | coordinate geometry                  |
| definition                     | mangatwiran                          |
| Euclidean geometry             | Euclidean na geometry                |
| function                       | function                             |
| graphical representation       | graphical na representasyon          |
| locus of points                | locus ng puntos                      |
| logical equivalence            | logical na equivalence               |
| non-Euclidean geometry         | hindi Euclidean na geometry          |
| three dimensional space        | three dimensional na espasyo         |
| transformational geometry      | transformational na geometry         |
| two dimensional space          | two dimensional na espasyo           |
| <b>Geometric Relationships</b> | <b>Mga Geometry ng Relasyon</b>      |
| AA triangle similarity         | Pagkakatulad ng tatsulok na AA       |
| AAA triangle similarity        | Pagkakatulad ng tatsulok na AAA      |
| AAS triangle congruence        | Congruence ng tatsulok na AAS        |
| ASA triangle congruence        | Congruence ng tatsulok na ASA        |
| absolute value                 | absolute na halaga                   |
| acute angle                    | acute na anggulo                     |
| acute triangle                 | acute na tatsulok                    |
| adjacent angles                | mga katabing anggulo                 |
| algebraic representation       | algebraic na representasyon          |
| alternate interior angles      | alternatibong panloob na mga anggulo |
| altitude                       | altitude                             |
| analytical geometry            | analytical na geometry               |
| angle                          | anggulo                              |
| angle bisector                 | bisector ng anggulo                  |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>             | <b>TAGALOG</b>                                  |
|-------------------------------------|-------------------------------------------------|
| angle measure                       | sukat ng anggulo                                |
| apothem                             | apothem                                         |
| arc                                 | arko                                            |
| arc measure                         | sukat ng arko                                   |
| area                                | area                                            |
| axis of symmetry                    | axis ng symmetry                                |
| base                                | base                                            |
| betweenness                         | betweenness                                     |
| bisector                            | bisector                                        |
| center of a circle                  | sentro ng bilog                                 |
| center of a regular polygon         | sentro ng isang regular na polygon              |
| center of gravity                   | sentro ng gravity                               |
| central angle                       | gitnang anggulo                                 |
| central angle of a regular polygon  | gitnang anggulo ng isang regular na polygon     |
| centroid                            | centroid                                        |
| chord                               | chord                                           |
| circle                              | bilog                                           |
| circumcenter                        | circumcenter                                    |
| circumcircle (about a polygon)      | circumcircle (tungkol sa polygon)               |
| circumference                       | circumference                                   |
| collinear points                    | mga collinear na puntos                         |
| common tangents                     | mga katulad na tangent                          |
| complementary angles                | mga complementary na anggulo                    |
| concave polygon                     | concave na polygon                              |
| concentric circles                  | mga concentric na bilog                         |
| concurrent lines                    | mga concurrent na linya                         |
| cone                                | cone                                            |
| congruence                          | congruence                                      |
| conic sections                      | mga conic na seksyon                            |
| constant of proportionality         | constant ng proportionality                     |
| convex polygon                      | convex na polygon                               |
| coordinate geometry                 | coordinate na geometry                          |
| coplanar                            | coplanar                                        |
| corresponding angles                | mga corresponding na anggulo                    |
| corresponding parts                 | mga corresponding na bahagi                     |
| corresponding side                  | corresponding na gilid                          |
| cross-section                       | cross-section                                   |
| cube                                | cube                                            |
| cylinder                            | silindro                                        |
| definition                          | mangatwiran                                     |
| diagonal                            | diagonal                                        |
| diameter                            | diyametro                                       |
| dihedral angle                      | dihedral angle                                  |
| distance                            | layo                                            |
| distance between a point and a line | layo sa pagitan ng isang punto at linya         |
| distance between two parallel lines | layo sa pagitan ng dalawang magkahilerang linya |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>       | <b>TAGALOG</b>                      |
|-------------------------------|-------------------------------------|
| distance between two points   | layo sa pagitan ng dalawang puntos  |
| dodecahedron                  | dodecahedron                        |
| ellipse                       | ellipse                             |
| endpoint                      | endpoint                            |
| equiangular                   | equiangular                         |
| equidistant                   | magkasing-layo                      |
| equilateral triangle          | equilateral na tatsulok             |
| equilateral polygon           | equilateral na polygon              |
| Euclidean Geometry            | Euclidean na Geometry               |
| Euclidean Parallel Postulate  | Euclidean Parallel Postulate        |
| exterior                      | panlabas                            |
| exterior angle                | panlabas na anggulo                 |
| external secant segment       | panlabas na secant na bahagi        |
| face of a polyhedron          | harapan ng isang polyhedron         |
| foot of an altitude           | sukat sa talampakan ng kataasan     |
| function                      | function                            |
| geometric mean                | geometric na mean                   |
| geometry                      | geometry                            |
| golden ratio                  | gintong ratio                       |
| golden rectangle              | gintong rektanggulo                 |
| great circle                  | great circle                        |
| hemisphere                    | hemisphere                          |
| Heron's formula               | formula ni Heron                    |
| hexagon                       | hexagon                             |
| hypotenuse                    | hypotenuse                          |
| icosahedron                   | icosahedron                         |
| in center of a polygon        | nasa gitna ng polygon               |
| inclination                   | inclination                         |
| inscribed angle               | inscribed na anggulo                |
| inscribed circle              | inscribed na bilog                  |
| intercepted arc               | intercepted na arko                 |
| intercepts                    | intercepts                          |
| interior                      | panloob                             |
| intersecting lines            | mga nag-i-intersect na linya        |
| isosceles trapezoid           | isosceles na trapezoid              |
| isosceles triangle            | isosceles na tatsulok               |
| kite                          | saranggola                          |
| lateral area of a prism       | lateral na area ng prism            |
| lateral edge                  | lateral na gilid                    |
| lateral face                  | lateral na harap                    |
| lateral surface               | lateral na surface                  |
| legs of a right triangle      | mga binti ng kanang tatsulok        |
| legs of a isosceles trapezoid | mga binti ng isosceles na trapezoid |
| length                        | haba                                |
| line                          | linya                               |
| line segment                  | bahagi ng linya                     |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>            | <b>TAGALOG</b>                           |
|------------------------------------|------------------------------------------|
| linear pair                        | pares na linya                           |
| locus of points                    | locus ng puntos                          |
| major arc                          | major arc                                |
| mean proportional                  | mean proportional                        |
| measure of an angle                | sukat ng anggulo                         |
| measure of an arc                  | sukat ng arko                            |
| median of a trapezoid              | median ng trapezoid                      |
| median of a triangle               | median ng tatsulok                       |
| midpoint                           | gitnang puntos                           |
| mid-segment                        | gitna ng bahagi                          |
| minor arc                          | minor na arko                            |
| n-gon                              | n-gon                                    |
| non-collinear                      | hindi magka-collinear                    |
| non-coplanar                       | hindi magka-coplanar                     |
| non-Euclidean geometry             | hindi Euclidean na geometry              |
| obtuse angle                       | obtuse na anggulo                        |
| obtuse triangle                    | obtuse na tatsulok                       |
| octagon                            | octagon                                  |
| octahedron                         | octahedron                               |
| opposite rays                      | magkabilang mga sinag                    |
| orthocenter                        | orthocenter                              |
| orthogonal                         | orthogonal                               |
| parabola                           | parabola                                 |
| parallel line segments             | magkahilerang mga bahagi ng linya        |
| parallel lines                     | magkahilerang mga linya                  |
| parallelepiped                     | parallelepiped                           |
| parallelogram                      | parallelogram                            |
| pentagon                           | pentagon                                 |
| perimeter                          | perimeter                                |
| perpendicular bisector             | perpendicular na tagahati                |
| perpendicular bisector concurrence | perpendicular na tagahating concurrence  |
| perpendicular lines                | mga perpendicular na linya               |
| perpendicular planes               | mga perpendicular na plane               |
| pi                                 | pi                                       |
| plane                              | plane                                    |
| point                              | punto                                    |
| point of concurrency               | punto ng concurrency                     |
| point of tangency                  | punto ng tangency                        |
| polygon                            | polygon                                  |
| polyhedron                         | polyhedron                               |
| prism                              | prisma                                   |
| product property of proportions    | katangian ng produkto ng mga proporsiyon |
| proportional                       | proporsiyonal                            |
| pyramid                            | pyramid                                  |
| Pythagorean Theorem                | Pythagorean na Teorama                   |
| quadrant                           | quadrant                                 |



**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>            | <b>TAGALOG</b>                    |
|------------------------------------|-----------------------------------|
| quadratic equation                 | quadratic na equation             |
| quadratic formula                  | quadratic na formula              |
| quadrilateral                      | quadrilateral                     |
| radius                             | radius                            |
| ratio                              | ratio                             |
| ray                                | sinag                             |
| real numbers                       | mga real na numero                |
| rectangle                          | rektanggulo                       |
| rectangular solid                  | solidong rektanggulo              |
| regular polygon                    | regular na polygon                |
| remote interior angles             | mga remote na panloobang anggulo  |
| rhombus                            | rhombus                           |
| right angle                        | kanang anggulo                    |
| right triangle                     | kanan na tatsulok                 |
| scalene triangle                   | scalene na tatsulok               |
| secant                             | secant                            |
| segment                            | bahagi                            |
| segment of a circle                | bahagi ng bilog                   |
| semicircle                         | kalahating bilog                  |
| set                                | set                               |
| similar polygons                   | mga magkakatulad na polygon       |
| similar triangles                  | mga magkatulad na tatsulok        |
| simple quadrilateral               | simpleng quadrilateral            |
| skew lines                         | mga skew na linya                 |
| slant height                       | taas ng slant                     |
| slope                              | slope                             |
| sphere                             | globo                             |
| square                             | parisukat                         |
| supplementary angles               | mga suplementong anggulo          |
| surface area                       | area ng surface                   |
| tangent segment                    | tangent na bahagi                 |
| tangent to a circle                | tangent sa isang bilog            |
| tessellation                       | tessellation                      |
| tetrahedron                        | tetrahedron                       |
| three-dimensional space            | three-dimensional na espasyo      |
| topology                           | topology                          |
| transformational geometry          | transformational na geometry      |
| transversal                        | transversal                       |
| trapezoid                          | trapezoid                         |
| triangle                           | tatsulok                          |
| triangle inequality                | inequality ng tatsulok            |
| trigonometry of the right triangle | trigonometry ng kanan na tatsulok |
| two-dimensional space              | two-dimensional na espasyo        |
| vector                             | vector                            |
| vertex                             | vertex                            |
| vertical angles                    | mga vertical na anggulo           |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>            | <b>TAGALOG</b>                                |
|------------------------------------|-----------------------------------------------|
| vertical line                      | vertical na linya                             |
| volume                             | volume                                        |
| x-axis                             | x-na axis                                     |
| x-intercept                        | x-intercept                                   |
| y-axis                             | y-axis                                        |
| y-intercept                        | y-intercept                                   |
| z-axis                             | z-axis                                        |
| <b>Constructions</b>               | <b>Mga konstruksiyon</b>                      |
| angle bisector                     | bisector ng anggulo                           |
| bisector                           | bisector                                      |
| center of a regular polygon        | sentro ng isang regular na polygon            |
| center of gravity                  | sentro ng gravity                             |
| circumcircle (about a polygon)     | circumcircle (tungkol sa polygon)             |
| compass                            | compass                                       |
| construct                          | bumuo                                         |
| dynamic geometry software          | software para sa dynamic na geometry          |
| perpendicular bisector             | perpendicular na tagahati                     |
| perpendicular bisector concurrence | perpendicular na tagahating concurrence       |
| perpendicular lines                | mga perpendicular na linya                    |
| straightedge                       | straightedge                                  |
| <b>Locus</b>                       | <b>Locus</b>                                  |
| circle                             | bilang                                        |
| compound locus                     | compound locus                                |
| ellipse                            | ellipse                                       |
| hyperbola                          | hyperbola                                     |
| locus of points                    | locus ng puntos                               |
| parabola                           | parabola                                      |
| <b>Formal and Informal Proofs</b>  | <b>Mga Pormal at Impormal na Pagpapatunay</b> |
| AA triangle similarity             | Pagkakatulad ng tatsulok na AA                |
| AAA triangle similarity            | Pagkakatulad ng tatsulok na AAA               |
| AAS triangle congruence            | Congruence ng tatsulok na AAS                 |
| ASA triangle congruence            | Congruence ng tatsulok na ASA                 |
| angle addition postulate           | batayan ng pagdagdag ng anggulo               |
| axiom                              | axiom                                         |
| bi-conditional                     | bi-conditional                                |
| conclusion                         | konklusyon                                    |
| conditional statement              | kondisyonal na pahayag                        |
| conjecture                         | haka-haka                                     |
| conjunction                        | conjunction                                   |
| contradiction                      | pagkakasalungatan                             |
| contrapositive of a statement      | contrapositive ng isang pahayag               |
| converse of a statement            | converse ng isang pahayag                     |
| counterexample                     | counterexample                                |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>                | <b>TAGALOG</b>                                   |
|----------------------------------------|--------------------------------------------------|
| deductive reasoning                    | deductive na pangangatwiran                      |
| definition                             | mangatwiran                                      |
| disjunction                            | disjunction                                      |
| dynamic geometry software              | software para sa dynamic na geometry             |
| equivalence relation                   | equivalence relation                             |
| Euclidean Parallel Postulate           | Euclidean Parallel Postulate                     |
| hypotenuse and leg triangle congruence | congruence ng hypotenuse at ng binti ng tatsulok |
| indirect proof                         | hindi direktang katunayan                        |
| inductive reasoning                    | inductive na pangangatwiran                      |
| inverse of a statement                 | kabaliktaran ng pahayag                          |
| justify                                | bigyang katwiran                                 |
| logical equivalent                     | logical na equivalent                            |
| negation                               | negation                                         |
| parallel postulate (s)                 | (mga) parallel postulate                         |
| postulate                              | postulate                                        |
| proof                                  | katunayan                                        |
| proof by contradiction                 | katunayan sa pamamagitan ng pagkakasalungatan    |
| Pythagorean Theorem                    | Pythagorean na Teorama                           |
| reason                                 | mangatwiran                                      |
| reflexive property of equality         | reflexive property ng equality                   |
| SAS triangle congruence                | SAS congruence ng tatsulok                       |
| SAS similarity Theorem                 | SAS similarity theorem                           |
| SSS triangle congruence                | SSS congruence ng tatsulok                       |
| substitution property                  | substitution property                            |
| subtraction property of equality       | subtraction property ng equality                 |
| symmetric property of equality         | symmetric property ng equality                   |
| theorem                                | teorama                                          |
| transitive property of equality        | transitive property ng equality                  |
| transformational proof                 | transformational na pagpapatunay                 |
| truth value                            | halaga ng katotohanan                            |
| two-column proof                       | two-column na pagpapatunay                       |
| undefined terms                        | mga term na undefined                            |
| union of sets                          | union ng mga set                                 |
| valid argument                         | balidong argument                                |
| <b>Transformational Geometry</b>       | <b>Transformational Geometry</b>                 |
| axis of symmetry                       | axis ng symmetry                                 |
| center of a dilation                   | sentro ng dilation                               |
| center of a rotation                   | sentro ng rotation                               |
| clockwise (orientation)                | clockwise (oryentasyon)                          |
| composition                            | komposisyon                                      |
| constant of proportionality            | constant ng proportionality                      |
| contraction                            | contraction                                      |
| counterclockwise (orientation)         | counterclockwise (oryentasyon)                   |
| dilation                               | dilation                                         |
| direct transformation                  | direktang transformation                         |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b>               | <b>TAGALOG</b>                               |
|---------------------------------------|----------------------------------------------|
| domain                                | domain                                       |
| dynamic geometry software             | software para sa dynamic na geometry         |
| fixed point                           | fixed point                                  |
| function                              | function                                     |
| function notation for transformations | function notation para sa mga transformation |
| glide reflection                      | glide reflection                             |
| group                                 | pangkat                                      |
| half-turn                             | kalahating-pihit                             |
| identity                              | identity                                     |
| image                                 | imahe                                        |
| inverse of a transformation           | inverse ng transformation                    |
| isometric                             | isometric                                    |
| mapping (function)                    | mapping (function)                           |
| opposite transformation               | opposite na transformation                   |
| orientation                           | oryentasyon                                  |
| pre-image                             | pre-image                                    |
| reflection                            | reflection                                   |
| rotation                              | pagpihit                                     |
| rotational symmetry                   | rotational symmetry                          |
| symmetry                              | symmetry                                     |
| tessellation                          | tessellation                                 |
| transformation                        | transformation                               |
| transformational geometry             | transformational na geometry                 |
| translation                           | translation                                  |
| transformational geometry             | transformational na geometry                 |
| translation                           | translation                                  |
| <b>Coordinate Geometry</b>            | <b>Coordinate Geometry</b>                   |
| abscissa                              | abscissa                                     |
| analytical geometry                   | analytical na geometry                       |
| analytical proof                      | analytical na pagpapatunay                   |
| Cartesian coordinates                 | Mga Cartesian coordinate                     |
| Cartesian plane                       | Cartesian plane                              |
| center-radius equation of circle      | center-radius equation ng bilog              |
| coordinate                            | coordinate                                   |
| coordinate geometry                   | coordinate na geometry                       |
| coordinate plane                      | coordinate plane                             |
| distance between two points           | layo sa pagitan ng dalawang puntos           |
| origin                                | origin                                       |
| point slope equation of a line        | point slope equation ng linya                |
| rectangular coordinates               | mga rektanggulong coordinate                 |
| slope - intercept equation of a line  | slope - intercept equation ng linya          |
| three-dimensional space               | three-dimensional na espasyo                 |
| two-dimensional space                 | two-dimensional na espasyo                   |
| vector                                | vector                                       |
| x-axis                                | x-axis                                       |

**GEOMETRY GLOSSARY - HIGH SCHOOL LEVEL**  
**GLOSARYO NG GEOMETRY - HIGH SCHOOL NA ANTAS**

| <b>ENGLISH / INGLES</b> | <b>TAGALOG</b> |
|-------------------------|----------------|
| x-intercept             | x-intercept    |
| y-axis                  | y-axis         |
| y-intercept             | y-intercept    |
| z-axis                  | z-axis         |
|                         |                |
|                         |                |
|                         |                |
|                         |                |
|                         |                |