**HONORS GEOMETRY JOURNAL**

**Chapter 1**

undefined term  
point  
line  
plane  
collinear  
coplanar  
intersection  
space  
line segment  
between

congruent  
construction  
distance  
midpoint  
segment bisector  
ray  
opposite rays  
angle  
side  
vertex

interior  
exterior  
degree  
right angle  
acute angle  
obtuse angle  
angle bisector  
adjacent angles  
linear pair  
vertical angles  
complementary angles  
supplementary angles  
perpendicular  
polygon  
vertex of a polygon

concave  
convex  
n-gon  
equilateral polygon  
equiangular polygon  
regular polygon  
perimeter  
circumference  
area  
polyhedron  
face  
edge  
prism  
base  
pyramid  
cylinder  
cone  
sphere  
regular polyhedron  
Platonic solid  
surface area  
volume

**Chapter 2**

inductive reasoning  
conjecture  
counterexample  
if-then statement  
hypothesis  
conclusion  
converse  
inverse  
postulate  
conditional statement  
if-then statement  
related conditionals  
contrapositive  
logically equivalent  
deductive reasoning  
axiom  
proof  
theorem  
deductive argument  
paragraph proof  
informal proof  
algebraic proof  
two-column proof  
formal proof  
Ruler Postulate  
Segment Addition Postulate  
Protractor Postulate  
Angle Addition Postulate   
Supplement Theorem  
Complement Theorem  
Properties of Angle Congruence  
Symmetric Properties of Congruence  
Congruent Complements Theorem  
Vertical Angles Theorem.  
Right angle theorems

**Chapter 3**  
parallel lines  
skew lines  
parallel planes  
transversal  
consecutive interior angles  
alternate interior angles  
alternate exterior angles  
corresponding angles  
Corresponding Angles Postulate  
Alternate Interior Angles Theorem  
Consecutive Interior Angles Theorem  
Alternate Exterior Angles Theorem  
Alternate Interior Angles Theorem  
Perpendicular Transversal Theorem

slope  
rate of change  
Slope of Parallel Lines Postulate  
Slope of Perpendicular lines Postulate  
slope-intercept form  
point-slope form  
Converse of the Corr. Angles Post.   
Parallel Postulate  
Proving lines are parallel( 4 theorems)  
equidistant  
Distance between a point and a line  
Perpendicular postulate  
Distance between parallel lines  
Two lines equidistant from a third line