UNIT 1 – Geometry Basics

1-1 Nets and Drawings for Visualizing Geometry
1-2 Points Lines and Planes
1-3 Measuring Segments
1-4 Measuring Angles
1-5 Exploring Angle Pairs
1-6 Classifying Polygons
1-7 Midpoint and Distance in the Coordinate Plane
1-8 Perimeter Circumference and Area
1-9 Constructions
UNIT 2 – Reasoning and Proof

2-1 Inductive and Deductive Reasoning
2-2 Logic
2-3 Proving Theorems
2-4 Algebraic Proofs
2-5 Theorems about Angles and Perpendicular Lines
2-6 Planning a Proof

UNIT 3 – Parallel and Perpendicular Lines

3-1 Identify Pairs of Lines and Angles
3-2 Use Parallel Lines and Transversals
3-3 Prove Lines Parallel
3-4 Find and Use Slopes of Lines
3-5 Right and Graph Equations of Lines
3-6 Prove Theorems about Perpendicular Lines
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4-1 Congruent Figures
4-2 Triangle Congruence by SSS and SAS
4-3 Triangle Congruence by ASA and AAS
4-4 Using Corresponding Parts of Congruent Triangles
4-5 Isosceles and Equilateral Triangles
4-6 Congruence in Right Triangles
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5-1 Midsegments of Triangles
5-2 Perpendicular and Angle Bisectors
5-3 Bisectors in Triangles
5-4 Medians and Altitudes
5-5 Indirect Proof
5-6 Inequalities in One Triangle
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6-1 The Polygon-Angle Sum Theorems
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6-3 Proving That a Quadrilateral is a Parallelogram
6-4 Properties of Rhombuses Rectangles and Squares
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6-8 Applying Coordinate Geometry
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7-1 Ratios and Proportions
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7-3 Proving Triangles Similar
7-4 Similarity in Right Triangles
7-5 Proportions in Triangles
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8-4 Angles of Elevation and Depression
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9-2 Reflections
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10-2 Areas of Trapezoids, Rhombuses, and Kites
10-3 Areas of Regular Polygons
10-4 Perimeters and Areas of Similar Figures
10-5 Trigonometry and Area
10-6 Circles and Arcs
10-7 Areas of Circles and Sectors
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11-1 Space Figures and Cross Sections
11-2 Surface Areas of Prisms and Cylinders
11-3 Surface Areas of Pyramids and Cones
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11-5 Volumes of Pyramids and Cones
11-6 Surface Area and Volumes of Spheres
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13-2 Probability Distributions and Frequency Tables
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