

# Geometry

SCOPE AND SEQUENCE  
HONORS LESSONS TOPICS

HOW TO USE  
SUPPORT AND RESOURCES

LESSON 1	Points, Lines, Rays, and Line Segments
LESSON 2	Planes and Sets
LESSON 3	Angles
LESSON 4	Types of Angles
LESSON 5	Parallel and Perpendicular Lines
LESSON 6	Supplementary and Complementary Angles
LESSON 7	Transversals
LESSON 8	Perimeter; Interior Angles
LESSON 9	Area
LESSON 10	Constructing and Identifying Triangles
LESSON 11	Regular Polygons
LESSON 12	Geometry of a Circle, Sphere, and Ellipse
LESSON 13	Area of a Circle and an Ellipse
LESSON 14	Volume of Rectangular Solid and Cylinder
LESSON 15	Volume: Pyramid, Cone, Prism, and Sphere
LESSON 16	Surface Area of Solids
LESSON 17	Radicals
LESSON 18	Pythagorean Theorem
LESSON 19	More on Radicals
LESSON 20	Special Triangles: $45^\circ$ - $45^\circ$ - $90^\circ$
LESSON 21	Special Triangles: $30^\circ$ - $60^\circ$ - $90^\circ$
LESSON 22	Axioms, Postulates, and Theorems
LESSON 23	Corresponding Parts of Triangles
LESSON 24	Proving Triangles Congruent: SSS and SAS
LESSON 25	Proving Triangles Congruent: ASA and AAS
LESSON 26	Proving Right Triangles Congruent
LESSON 27	Proving Triangles Similar with AA
LESSON 28	Transformational Geometry
LESSON 29	Trigonometric Functions
LESSON 30	Inverse Trigonometric Functions

STUDENT SOLUTIONS  
HONORS SOLUTIONS  
TEST SOLUTIONS

SYMBOLS & TABLES  
GEOMETRY GLOSSARY  
SECONDARY LEVELS MASTER INDEX  
ALGEBRA REVIEW TOPICS  
GEOMETRY INDEX