



# Geometry

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## REVERSE CORRELATION

CHAPTER/LESSON TITLES	COURSE-LEVEL EXPECTATIONS
<b>Unit 1 Geometric Structure</b>	
<b>Chapter 1 Tools of Geometry</b>	
<b>1-1</b> Points, Lines, and Planes	There are no state-mandated Geometry Anchors for this topic.
<b>1-2</b> Linear Measure and Precision	There are no state-mandated Geometry Anchors for this topic.
<b>1-3</b> Distance and Midpoints	<b>M11.C Geometry</b> <b>M11.C.3.1.1</b>
<b>1-4</b> Angle Measure	<b>M11.B Measurement</b> <b>M11.B.2.1.1</b>
<b>1-5</b> Angle Relationships	<b>M11.B Measurement</b> <b>M11.B.2.1.1</b>
<b>1-6</b> Two-Dimensional Figures	<b>M11.C Geometry</b> <b>M11.C.1.2.1</b> <b>M11.C.1.2.2</b>

CHAPTER/LESSON TITLES	COURSE-LEVEL EXPECTATIONS
1-7 Three-Dimensional Figures	<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>Chapter 2 Reasoning and Proof</b>	
2-1 Inductive Reasoning and Conjecture	There are no state-mandated Geometry Anchors for this topic.
2-2 Logic	There are no state-mandated Geometry Anchors for this topic.
2-3 Conditional Statements	There are no state-mandated Geometry Anchors for this topic.
2-4 Deductive Reasoning	There are no state-mandated Geometry Anchors for this topic.
2-5 Postulates and Paragraph Proofs	There are no state-mandated Geometry Anchors for this topic.
2-6 Algebraic Proof	There are no state-mandated Geometry Anchors for this topic.
2-7 Proving Segment Relationships	There are no state-mandated Geometry Anchors for this topic.
2-8 Proving Angle Relationships	There are no state-mandated Geometry Anchors for this topic.
<b>Chapter 3 Parallel and Perpendicular Lines</b>	
3-1 Parallel Lines and Transversals	There are no state-mandated Geometry Anchors for this topic.
3-2 Angles and Parallel Lines	There are no state-mandated Geometry Anchors for this topic.
3-3 Slopes of Lines	<b>M11.C Geometry</b> <b>M11.C.3.1.2</b> <b>M11.D Algebraic Concepts</b> <b>M11.D.3.2.1</b>
3-4 Equations of Lines	<b>M11.D Algebraic Concepts</b> <b>M11.D.3.2.2</b>
3-5 Proving Lines Parallel	<b>M11.C Geometry</b> <b>M11.C.3.1.2</b>
3-6 Perpendiculars and Distance	There are no state-mandated Geometry Anchors for this topic.

CHAPTER/LESSON TITLES		COURSE-LEVEL EXPECTATIONS
<b>Unit 2 Congruence</b>		
<b>Chapter 4 Congruent Triangles</b>		
<b>4-1</b> Classifying Triangles		<b>M11.C Geometry</b> <b>M11.C.1.2.3</b>
<b>4-2</b> Angles of Triangles		<b>M11.C Geometry</b> <b>M11.C.1.2.1</b>
<b>4-3</b> Congruent Triangles		<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>4-4</b> Proving Congruence: SSS, SAS		<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>4-5</b> Proving Congruence: ASA, AAS		<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>4-6</b> Isosceles and Equilateral Triangles		<b>M11.C Geometry</b> <b>M11.C.1.2.3</b>
<b>4-7</b> Congruence Transformations		There are no state-mandated Geometry Anchors for this topic.
<b>4-8</b> Triangles and Coordinate Proof		There are no state-mandated Geometry Anchors for this topic.
<b>Chapter 5 Relationships in Triangles</b>		
<b>5-1</b> Bisectors of Triangles		<b>M11.C Geometry</b> <b>M11.C.1.2.1</b>
<b>5-2</b> Medians and Altitudes of Triangles		<b>M11.C Geometry</b> <b>M11.C.1.2.1</b>
<b>5-3</b> Inequalities in One Triangle		<b>M11.C Geometry</b> <b>M11.C.1.2.1</b>
<b>5-4</b> Indirect Proof		There are no state-mandated Geometry Anchors for this topic.
<b>5-5</b> The Triangle Inequality		<b>M11.C Geometry</b> <b>M11.C.1.2.1</b>
<b>5-6</b> Inequalities in Two Triangles		<b>M11.C Geometry</b> <b>M11.C.1.2.1</b>

CHAPTER/LESSON TITLES	COURSE-LEVEL EXPECTATIONS
<b>Chapter 6 Quadrilaterals</b>	
<b>6-1</b> Angles of Polygons	<b>M11.C Geometry</b> <b>M11.C.1.2.2</b>
<b>6-2</b> Parallelograms	<b>M11.C Geometry</b> <b>M11.C.1.2.2</b>
<b>6-3</b> Tests for Parallelograms	<b>M11.C Geometry</b> <b>M11.C.1.2.2</b>
<b>6-4</b> Rectangles	<b>M11.C Geometry</b> <b>M11.C.1.2.2</b>
<b>6-5</b> Rhombi and Squares	<b>M11.C Geometry</b> <b>M11.C.1.2.2</b>
<b>6-6</b> Kites and Trapezoids	<b>M11.C Geometry</b> <b>M11.C.1.2.2</b>
<b>Unit 3 Similarity</b>	
<b>Chapter 7 Proportions and Similarity</b>	
<b>7-1</b> Ratios and Proportions	<b>M11.A Numbers and Operations</b> <b>M11.A.2.1.2</b> <b>M11.A.2.1.3</b>
<b>7-2</b> Similar Polygons	<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>7-3</b> Similar Triangles	<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>7-4</b> Parallel Lines and Proportional Parts	There are no state-mandated Geometry Anchors for this topic.
<b>7-5</b> Parts of Similar Triangles	<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>7-6</b> Similarity Transformations	There are no state-mandated Geometry Anchors for this topic.
<b>7-7</b> Scale Drawings and Models	There are no state-mandated Geometry Anchors for this topic.

CHAPTER/LESSON TITLES		COURSE-LEVEL EXPECTATIONS
<b>Chapter 8 Right Triangles and Trigonometry</b>		
<b>8-1</b> Geometric Mean	There are no state-mandated Geometry Anchors for this topic.	
<b>8-2</b> The Pythagorean Theorem and Its Converse	<b>M11.C Geometry</b> <b>M11.C.1.4.1</b>	
<b>8-3</b> Special Right Triangles	There are no state-mandated Geometry Anchors for this topic.	
<b>8-4</b> Trigonometry	There are no state-mandated Geometry Anchors for this topic.	
<b>8-5</b> Angles of Elevation and Depression	There are no state-mandated Geometry Anchors for this topic.	
<b>8-6</b> The Law of Sines and Law of Cosines	There are no state-mandated Geometry Anchors for this topic.	
<b>8-7</b> Vectors	There are no state-mandated Geometry Anchors for this topic.	
<b>Chapter 9 Transformations and Symmetry</b>		
<b>9-1</b> Reflections	There are no state-mandated Geometry Anchors for this topic.	
<b>9-2</b> Translations	There are no state-mandated Geometry Anchors for this topic.	
<b>9-3</b> Rotations	There are no state-mandated Geometry Anchors for this topic.	
<b>9-4</b> Compositions of Transformations	There are no state-mandated Geometry Anchors for this topic.	
<b>9-5</b> Symmetry	There are no state-mandated Geometry Anchors for this topic.	
<b>9-6</b> Dilations	There are no state-mandated Geometry Anchors for this topic.	
<b>Unit 4 Measurement</b>		
<b>Chapter 10 Circles</b>		
<b>10-1</b> Circles and Circumference	<b>M11.B Measurement</b> <b>M11.B.2.2.3</b> <b>M11.B.2.2.4</b> <b>M11.B.2.3.1</b>	
<b>10-2</b> Measuring Angles and Arcs	<b>M11.C Geometry</b> <b>M11.C.1.1.2</b>	

CHAPTER/LESSON TITLES	COURSE-LEVEL EXPECTATIONS
10-3 Arcs and Chords	M11.C Geometry M11.C.1.1.2
10-4 Inscribed Angles	M11.C Geometry M11.C.1.1.2
10-5 Tangents	M11.C Geometry M11.C.1.1.2
10-6 Secants, Tangents, and Angle Measures	M11.C Geometry M11.C.1.1.1 M11.C.1.1.2
10-7 Special Segments in a Circle	M11.C Geometry M11.C.1.1.1 M11.C.1.1.2
10-8 Equations of Circles	There are no state-mandated Geometry Anchors for this topic.
<b>Chapter 11 Areas of Polygons and Circles</b>	
11-1 Areas of Parallelograms and Triangles	M11.B Measurement M11.B.2.2.3 M11.B.2.2.4 M11.B.2.3.1
11-2 Areas of Trapezoids, Rhombi, and Kites	M11.B Measurement M11.B.2.2.3 M11.B.2.2.4 M11.B.2.3.1
11-3 Areas of Circles and Sectors	M11.B Measurement M11.B.2.2.3 M11.B.2.2.4 M11.B.2.3.1
11-4 Areas of Regular Polygons and Composite Figures	M11.B Measurement M11.B.2.2.3
11-5 Areas of Similar Figures	M11.B Measurement M11.B.2.3.1
<b>Chapter 12 Extending Surface Area and Volume</b>	
12-1 Representations of Three-Dimensional Figures	There are no state-mandated Geometry Anchors for this topic.
12-2 Surface Areas of Prisms and Cylinders	M11.B Measurement M11.B.2.2.1

CHAPTER/LESSON TITLES	COURSE-LEVEL EXPECTATIONS
<b>12-3</b> Surface Areas of Pyramids and Cones	<b>M11.B Measurement</b> <b>M11.B.2.2.1</b>
<b>12-4</b> Volumes of Prisms and Cylinders	<b>M11.B Measurement</b> <b>M11.B.2.2.2</b> <b>M11.B.2.2.4</b> <b>M11.B.2.3.1</b>
<b>12-5</b> Volumes of Pyramids and Cones	<b>M11.B Measurement</b> <b>M11.B.2.2.2</b> <b>M11.B.2.2.4</b> <b>M11.B.2.3.1</b>
<b>12-6</b> Surface Areas and Volumes of Spheres	<b>M11.B Measurement</b> <b>M11.B.2.2.1</b>
<b>12-7</b> Spherical Geometry	There are no state-mandated Geometry Anchors for this topic.
<b>12-8</b> Congruent and Similar Solids	<b>M11.C Geometry</b> <b>M11.C.1.3.1</b>
<b>Chapter 13 Probability and Measurement</b>	
<b>13-1</b> Representing Sample Spaces	There are no state-mandated Geometry Anchors for this topic.
<b>13-2</b> Permutations and Combinations	<b>M11.E Data Analysis and Probability</b> <b>M11.E.3.2.1</b>
<b>13-3</b> Geometric Probability	<b>M11.E Data Analysis and Probability</b> <b>M11.E.3.1.1</b> <b>M11.E.3.1.2</b> <b>M11.E.4.1.2</b>
<b>13-4</b> Simulations	There are no state-mandated Geometry Anchors for this topic.
<b>13-5</b> Probabilities of Independent and Dependent Events	<b>M11.E Data Analysis and Probability</b> <b>M11.E.3.1.1</b> <b>M11.E.3.1.2</b> <b>M11.E.4.1.2</b>
<b>13-6</b> Probabilities of Mutually Exclusive Events	<b>M11.E Data Analysis and Probability</b> <b>M11.E.3.1.1</b> <b>M11.E.3.1.2</b> <b>M11.E.4.1.2</b>