

Name:

1	Reasoning with Shapes		
MATHia Unit	MATHia Workspace	Completed	Reflection
From Informal to Formal Geometric Thinking	Introduction to Geometric Figures		
	Naming Lines, Rays, Segments, and Angles		
	Working with Measures of Segments and Angles		
Parallel and Perpendicular Lines	Introduction to Parallel and Perpendicular Lines		
	Modeling Parallel and Perpendicular Lines		
Distances on the Coordinate Plane	Deriving the Distance Formula		
	Calculating Distances using the Distance Formula		
	Calculating Perimeter and Area Using the Distance Formula		
Using Circles to Make Conjectures	Introduction to Circles		
	Exploring the Inscribed Angle Theorem		
	Determining Central and Inscribed Angles in Circles		
Conjectures About Quadrilaterals	Using Circles to Draw Quadrilaterals		
	Angles of an Inscribed Quadrilateral		

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MATHia Unit	MATHia Workspace	Completed	Reflection
Points of Concurrency	Points of Concurrency		
Geometric Components of Rigid Motions	Developing Definitions of Rigid Motions		
	Exploring Rigid Motions and Dilations		
Reflectional and Rotational Symmetry	Rotations and Reflections on the Plane		
	Reflectional Symmetry		
	Rotational Symmetry		

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2 Establishing Congruence

MATHia Unit	MATHia Workspace	Completed	Reflection
Formal Reasoning in Euclidean Geometry	Calculating and Justifying Angle Measures		
	Calculating Angle Measures		
Triangle Congruence Theorems	Introduction to Triangle Congruence		
	Using Triangle Congruence		
Forms of Proof	Introduction to Proofs		
	Completing Measure Proofs		
	Connecting Steps in Angle Proofs		
	Using Angle Theorems		
Lines Cut by a Transversal	Classifying Angles Formed by Transversals		
	Calculating Angle Measures Formed by Transversals		
	Calculating Angles Formed by Multiple Transversals		
Proving Parallel Lines Theorems	Proving Parallel Lines Theorems		
	Proving the Converses of Parallel Lines Theorems		

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MATHia Unit	MATHia Workspace	Completed	Reflection
Proving Parallel Lines Theorems	Proving Parallel Lines Theorems		
	Proving the Converses of Parallel Lines Theorems		
Interior and Exterior Angles of Polygons	Proving Triangle Theorems		
Proving Triangles Congruent	Proving Triangles Congruent using SAS and SSS		
	Proving Triangles Congruent using AAS and ASA		
	Proving Theorems using Congruent Triangles		
Special Right Triangles	Introduction to Special Right Triangles		
	Calculating the Lengths of Sides of Special Right Triangles		
Solving Problems with Congruence	Using Triangle Theorems		
Angle Relationships Inside and Outside Circles	Determining Interior and Exterior Angles in Circles		
Special Right Triangles	Introduction to Special Right Triangles		

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Establishing Congruence

MATHia Unit	MATHia Workspace	Completed	Reflection
Extending Triangle Congruence Theorems	Proving Triangles Congruent using HL and HA		
Properties of Quadrilaterals	Understanding Parallelograms		
	Determining Parts of Quadrilaterals and Parallelograms		
Parallelogram Proofs	Proofs about Parallelograms		

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3	Investigating Proportionality		
MATHia Unit	MATHia Workspace	Completed	Reflection
Dilating Figures to Create Similar Figures	Understanding Similarity		
	Specifying a Sequence of Transformations		
Theorems About Proportionality	Proofs Using Similar Triangles		
Application of Similar Triangles	Calculating Corresponding Parts of Similar Triangles		
Partitioning Segments in Given Ratios	Partitioning Segments in Given Ratios		
	Partitioning Segments Proportionately		
Trigonometric Ratios	Introduction to Trigonometric Ratios		
	Using Multiple Trigonometric Ratios to Solve Problems		
	Relating Sines and Cosines of Complementary Angles		
	Relating Sines and Cosines of Complementary Angles		
	Using One Trigonometric Ratio to Solve Problems		
	Using Multiple Trigonometric Ratios to Solve Problems		

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4		Connecting Geometric and Algebraic	
MATHia Unit	MATHia Workspace	Completed	Reflection
Similarity Relationships in Circles	Relating Arc Length and Radius		
	Determining Chords in Circles		
	Calculating the Area of a Sector		
Volume	Creating Three-Dimensional Shapes from Two-Dimensional Figures		
	Calculating Volume of Cylinders		
	Calculating Volume of Pyramids		
	Calculating Volume of Cones		
	Calculating Volume of Spheres		
Surface Area	Introduction to Formulas for the Surface Area of Solids		
	Calculating Surface Area of Solids		
Cross-Sections	Visualizing Cross Sections of Three-Dimensional Shapes		
Equation of a Circle	Deriving the Equation of a Circle		
	Determining the Radius and Center of a Circle		

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5	Making Informed Decisions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Independence and Conditional Probability	Independent Events		
Computing Probabilities	Understanding Frequency Tables		
	Calculating Compound Probabilities from Two-Way Tables		
	Conditional Probability		
	Recognizing Concepts of Conditional Probability		