

Name:

1	Reasoning with Shapes		
MATHia Unit	MATHia Workspace	Completed	Reflection
Lines, Rays, Segments, and Angles	Naming Lines, Rays, Segments, and Angles		
	Working with Measures of Segments and Angles		
Properties of Circles	Introduction to Circles		
	Determining Central and Inscribed Angles in Circles		
	Angles of an Inscribed Quadrilateral		
Angle Properties	Calculating and Justifying Angle Measures		
	Calculating Angle Measures		
Introduction to Proofs with Segments and Angles	Introduction to Proofs		
	Completing Measure Proofs		
	Connecting Steps in Angle Proofs		
	Using Angle Theorems		

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Lines Cut by a Transversal	Classifying Angles Formed by Transversals		
	Calculating Angles Formed by Transversals		
	Calculating Angles Formed by Multiple Transversals		
Parallel Lines Theorems	Proving Parallel Lines Theorems		
	Proving the Converses of Parallel Lines Theorems		
Proving Triangles Congruent	Proving Triangles Congruent using SAS and SSS		
	Proving Triangles Congruent using AAS and ASA		
Using Triangle Congruence	Proving Theorems using Congruent Triangles		
	Proving Triangle Theorems		
	Using Triangle Theorems		
Special Right Triangles	Introduction to Special Right Triangles		
	Calculating the Lengths of Sides of Special Right Triangles		
	Determining Interior and Exterior Angles in Circles		

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

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2	Investigating Proportionality		
MATHia Unit	MATHia Workspace	Completed	Reflection
Similar Triangles	Understanding Similarity		
	Calculating Corresponding Parts of Similar Triangles		
	Proofs Using Similar Triangles		
	Partitioning Segments in Given Ratios		
	Partitioning Segments Proportionately		
Trigonometric Ratios	Introduction to Trigonometric Ratios		
	Using One Trigonometric Ratio to Solve Problems		
	Using Multiple Trigonometric Ratios to Solve Problems		
	Relating Sines and Cosines of Complementary Angles		
Arc Length	Relating Arc Length and Radius		
	Determining Chords in Circles		
	Calculating the Area of a Sector		

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2	Investigating Proportionality		
MATHia Unit	MATHia Workspace	Completed	Reflection
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		

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3	Exploring Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Absolute Value Equations	NEW WORKSPACE Building Absolute Value Functions		
	Graphing Simple Absolute Value Equations Using Number Lines		
	Solving Absolute Value Equations		
	Reasoning About Absolute Value Inequalities		
Graphs of Piecewise Functions	Introduction to Piecewise Functions		
	Graphing Linear Piecewise Functions		
	Interpreting Piecewise Functions		
	Using Linear Piecewise Functions		
	Analyzing Step Functions		
Compare Linear and Exponential Models	Recognizing Linear and Exponential Models		
	Recognizing Growth and Decay		

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3	Exploring Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Compare Linear and Exponential Models (continued)	Calculating and Interpreting Average Rate of Change		
	Modeling Equations with a Starting Point of 1.		
	Modeling Equations with a Starting Point Other Than 1		
	Comparing Exponential Functions in Different Forms		
Rational Exponents	Using the Properties of Exponents		
	Properties of Rational Exponents		
	Rewriting Expressions with Radical and Rational Exponents		
	Solving Contextual Exponential Equations Using Common Bases		
Linear and Exponential Transformations	Introduction to Transforming Exponential Functions		
	Shifting Vertically		
	Shifting Horizontally		
	Reflecting and Dilating using Graphs		
	Transforming using Tables of Values		
	Using Multiple Transformations		

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3	Exploring Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Modeling Quadratic Functions	Modeling Area as Product of Monomial and Binomial		
	Modeling Area as Product of Two Binomials		
	Interpreting Maximums of Quadratic Models		
	Modeling Projectile Motion		
	Recognizing Key Features of Vertical Motion Graphs		
Linear and Quadratic Transformations	Shifting Vertically		
	Shifting Horizontally		
	Reflecting and Dilating using Graphs		
	Transforming Using Tables of Values		
	Using Multiple Transformations		
NEW UNIT Properties of Quadratic Functions	Identifying Properties of Quadratic Functions		
	Sketching Quadratic Functions		
	Comparing Quadratic Functions in Different Forms		

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4	Seeing Structure		
MATHia Unit	MATHia Workspace	Completed	Reflection
Polynomial Operations	Introduction to Polynomial Arithmetic		
	Operating with Functions on the Coordinate Plane		
	Adding Polynomials		
	Subtracting Polynomials		
	Using a Factor Table to Multiply Binomials		
	Multiplying Binomials		
Quadratic Equation Solving	Making Sense of Roots and Zeros		
	Factoring Trinomials with Coefficients of One		
	Factoring Trinomials with Coefficients Other than One		
	Factoring using Difference of Squares		
	Factoring Quadratic Expressions		
	Solving Quadratic Equations by Factoring		
	Problem Solving Using Factoring		

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4	Seeing Structure		
MATHia Unit	MATHia Workspace	Completed	Reflection
Quadratic Equation Solving (continued)	Completing the Square		
	Problem Solving Using Completing the Square		
	Deriving the Quadratic Formula		
	Solving Quadratic Equations		
Forms of Quadratics	Converting Quadratics to General Form		
	Converting Quadratics to Factored Form		
	Converting Quadratics to Vertex Form		
Operations with Complex Numbers	Introduction to Complex Numbers		
	Simplifying Radicals with Negative Radicands		
	Simplifying Powers of i		
	Adding and Subtracting Complex Numbers		
	Multiplying Complex Numbers		
	Solving Quadratic Equations with Complex Roots		

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4	Seeing Structure		
MATHia Unit	MATHia Workspace	Completed	Reflection
Applications of Quadratics	Using Regression Models		
Function Operations	Adding and Subtracting Linear Functions		
Inverses of Functions	Recognizing Graphs of Inverses		
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		
	Conditional Probability		
Computing Probabilities	Understanding Frequency Tables		
	Recognizing Concepts of Conditional Probability		