

Name:

<b>1</b>	<b>Transforming Geometric Objects</b>		
MATHia Unit	MATHia Workspace	Completed	Reflection
<b>Rigid Motions on the Coordinate Plane</b>	Experimenting with Rigid Motions		
	Translating Plane Figures		
	Reflecting Plane Figures		
	Rotating Plane Figures		
	Describing Rigid Motions Using Coordinates		
<b>Dilating Figures on the Coordinate Plane</b>	Defining Similarity		
	Dilating Plane Figures		
<b>Mapping Similar Figures Using Transformations</b>	Performing One Transformation		
	Performing Multiple Transformations		
	Describing Transformations Using Coordinates		

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1	Transforming Geometric Objects		
MATHia Unit	MATHia Workspace	Completed	Reflection
Triangle Sum and Exterior Angle Theorems	Introduction to Triangle Sum and Exterior Angle Theorems		
	Solving Problems Using Triangle Sum and Exterior Angles		
Angle Relationships Formed by Lines Intersected by a Transversal	Classifying Angles Formed by Transversals		
	Reasoning about Angles Formed by Transversals		
	Calculating Angle Measures Formed by Transversals		
The Angle-Angle Similarity Theorem	Introduction to the Angle-Angle Similarity Theorem		
	Identifying Similar Triangles		

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2		Developing Functional Foundations	
MATHia Unit	MATHia Workspace	Completed	Reflection
<b>Representing Proportional Relationships</b>	Representing Proportional Relationships Algebraically		
	Modeling the Constant of Proportionality		
	Comparing Proportional Relationships in Different Forms		
<b>Using Similar Triangles to Describe the Steepness of a Line</b>	Understanding the Slopes of Lines		
	Writing Equations for Lines		
<b>Exploring Slopes</b>	Graphing Linear Relationships		
	Comparing Proportional and Non-Proportional Relationships		
<b>Using Tables, Graphs, and Equations</b>	Multiple Representations of Linear Equations		
	Modeling Linear Relationships Using Multiple Representations		

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2		Developing Functional Foundations	
MATHia Unit	MATHia Workspace	Completed	Reflection
Linear Relationships in Tables	Calculating Slopes		
Slope-Intercept Form of a Line	Connecting Slope-Intercept and Point-Slope Forms		
	Writing Equations Given Slope and a Point		
	Writing Equations Given Two Points		
	Analyzing Models of Linear Relationships		
Point-Slope Form of a Line	Modeling Linear Relationships Given an Initial Point		
	Modeling Linear Relationships Given Two Points		

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2	Developing Functional Foundations		
MATHia Unit	MATHia Workspace	Completed	Reflection
<b>Graphing Linear Equations</b>	Graphing Given an Integer Slope and y-Intercept		
	Graphing Given a Decimal Slope and y-Intercept		
	Modeling Linear Equations in Standard Form		
	Graphing Linear Equations using a Given Method		
	Graphing Linear Equations using a Chosen Method		
<b>Defining Functional Relationships</b>	Classifying Relations and Functions		
	Exploring Functions		
<b>Describing Graphs of Functions</b>	Exploring Graphs of Functions		
	Identifying Key Characteristics of Graphs of Functions		
<b>Comparing Functions Using Different Representations</b>	Comparing Linear Relationships in Different Forms		

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Developing Functional Foundations

MATHia Unit	MATHia Workspace	Completed	Reflection
Analyzing Patterns in Scatter Plots	Estimating Lines of Best Fit		
	Using Lines of Best Fit		
Patterns of Association of Two-Way Tables	Building Marginal Frequency Distributions		
	Analyzing Marginal Frequency Distributions		
	Building Marginal Relative Frequency Distributions		
	Analyzing Marginal Relative Frequency Distributions		

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<b>3</b>	<b>Modeling Linear Equations</b>		
MATHia Unit	MATHia Workspace	Completed	Reflection
<b>Solving Multi-Step Equations</b>	Solving Multi-Step Equations		
	Solving by Combining Like Variable Terms and a Constant with Integers (No Type In)		
	Solving by Combining Like Variable Terms and a Constant with Integers (Type In)		
	Solving by Combining Like Variable Terms and a Constant with Decimals (No Type In)		
	Solving by Combining Like Variable Terms and a Constant with Decimals (Type In)		
<b>Analyzing Linear Equations Involving the Distributive Property</b>	Analyzing Models of Linear Relationships Involving the Distributive Property		
	Modeling Integer Rates of Change		
	Modeling Fractional Rates of Change		
	Modeling using the Distributive Property over Division		

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<b>3</b>	<b>Modeling Linear Equations</b>		
MATHia Unit	MATHia Workspace	Completed	Reflection
<b>Interpreting the Number of Solutions to Equations</b>	Solving Equations with One Solution, Infinite, and No Solutions		
	Sorting Equations by Number of Solutions		
<b>Solving Linear Equations with Variables on Both Sides</b>	Solving with the Distributive Property Over Multiplication		
	Solving with the Distributive Property Over Division		
<b>Solving Linear Equations with Variables on Both Sides (continued)</b>	Solving with Variables on Both Sides with Rationals (No Type In)		
	Solving with Variables on Both Sides with Rationals (Type In)		
<b>Systems of Linear Equations</b>	Introduction to Systems of Linear Equations		
	Modeling Linear Systems Involving Integers		
	Modeling Linear Systems Involving Decimals		
	Solving Linear Systems Using Substitution		



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4	Expanding Number Systems		
MATHia Unit	MATHia Workspace	Completed	Reflection
The Real Numbers	Introduction to Irrational Numbers		
	Graphing Real Numbers on a Number Line		
	Ordering Rational and Irrational Numbers		
	Solving for Side-Lengths in Area and Volume Problems		
The Pythagorean Theorem	Exploring the Pythagorean Theorem		
	Using the Pythagorean Theorem		
	Problem Solving Using the Pythagorean Theorem		
Distances in a Coordinate System	Distances in a Coordinate System		

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5 Applying Powers			
MATHia Unit	MATHia Workspace	Completed	Reflection
Properties of Powers with Integer Exponents	Introduction to the Power Rules		
	Using the Product Rule and the Quotient Rule		
	Using the Power to a Power Rule		
	Using the Product to a Power Rule and the Quotient to a Power Rule		
	Using Properties of Exponents with Whole Number Powers		
	Rewriting Expressions with Negative and Zero Exponents		
Scientific Notation	Using Scientific Notation		
	Comparing Numbers using Scientific Notation		

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5	Applying Powers		
MATHia Unit	MATHia Workspace	Completed	Reflection
Volume of a Cylinder	Relating Volumes of Cylinders, Cones, and Spheres		
	Calculating Volume of Cylinders		
	Using Volume of Cylinders		
	Using Volume of Cylinders		
Volume of a Cone	Calculating Volume of Cones		
	Using Volume of Cones		
Volume of a Sphere	Calculating Volume of Spheres		
	Using Volume of Spheres		