

Name:

1	Searching for Patterns		
MATHia Unit	MATHia Workspace	Completed	Reflection
Function Overview	Identifying Quantities		
	Introduction to Function Families		
	Evaluating Linear Functions		
	Identifying Parts of Complex Algebraic Expressions		
Sequences	Describing Patterns in Sequences		
	Writing Recursive Formulas		
	Writing Explicit Formulas		
Linear Regression	Exploring Linear Regression		
	Using Linear Regression		
	Interpreting Lines of Best Fit		
	Analyzing Residuals of Lines of Best Fit		

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2	Exploring Constant Change		
MATHia Unit	MATHia Workspace	Completed	Reflection
Linear Function Overview	Writing Sequences as Linear Functions		
	Understanding Linear Functions		
Graphs of Linear Functions	Exploring Graphs of Linear Functions		
	Identifying Key Characteristics of Graphs of Functions		
Modeling with Linear Functions	Multiple Representations of Linear Functions		
	Modeling Linear Functions Using Multiple Representations		
	Comparing Linear Functions in Different Forms		
Parallel and Perpendicular Lines	Introduction to Parallel and Perpendicular Lines		
	Modeling Parallel and Perpendicular Lines		
Linear Equations	Extending Equations to Literal Equations		
	Solving Literal Equations		
Linear Inequalities	Graphing Inequalities		
	Solving Two-Step Linear Inequalities		
	Representing Compound Inequalities		

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2		Exploring Constant Change	
MATHia Unit	MATHia Workspace	Completed	Reflection
Systems of Linear Equations	Representing Systems of Linear Functions		
	Solving Linear Systems Using Linear Combinations		
	Solving Linear Systems Using Any Method		
Linear Inequalities in Two Variables	Exploring Linear Inequalities		
	Graphing Linear Inequalities in Two Variables		
	Systems of Linear Inequalities		
Distances on the Coordinate Plane	Deriving the Distance Formula		
	Calculating Distances using the Distance Formula		
	Calculating Perimeter and Area Using the Distance Formula		

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3 Investigating Growth and Decay			
MATHia Unit	MATHia Workspace	Completed	Reflection
Exponential Functions	Writing Sequences as Exponential Functions		
	Introduction to Exponential Functions		
	Relating the Domain to Exponential Functions		
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	Investigating Growth and Decay		
MATHia Unit	MATHia Workspace	Completed	Reflection
Compare Linear and Exponential Models	Recognizing Linear and Exponential Models		
	Recognizing Growth and Decay		
	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		
Solving Exponential Equations	Solving Exponential Equations Using a Graph		

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4	Describing Distributions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Numerical Summary Statistics	Determining Appropriate Measures of Center		
	Measuring the Effects of Changing Data Sets		
	Comparing and Interpreting Measures of Center		
	Calculating Standard Deviation		
Categorical Data	Creating Marginal Frequency Distributions		
	Using Marginal Frequency Distributions		
	Creating Marginal Relative Frequency Distributions		
	Using Marginal Relative Frequency Distributions		
	Creating Conditional Relative Frequency Distributions		
	Using Conditional Relative Frequency Distributions		

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5	Analyzing Geometric Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Lines, Rays, Segments, and Angles	Naming Lines, Rays, Segments, and Angles		
	Working with Measures of Segments and Angles		
Rigid Motion	Developing Definitions of Rigid Motions		
	Exploring Rigid Motions and Dilations		
	Specifying a Sequence of Transformations		
	Rotations and Reflections on the Plane		
	Reflectional Symmetry		
	Rotational Symmetry		
Triangle Congruence	Introduction to Triangle Congruence		

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