

Name:

1	Searching for Patterns		
MATHia Unit	MATHia Workspace	Completed	Reflection
Understanding Quantities and Their Relationships	Identifying Quantities		
Recognizing Functions and Function Families	Evaluating Linear Functions		
	Identifying Domain and Range		
	Identifying Key Characteristics of Graphs of Functions		
	Introduction to Function Families		
Recognizing Patterns and Sequences	Describing Patterns in Sequences		
	Graphs of Sequences		
Determining Recursive and Explicit Expressions	Writing Recursive Formulas		
	Writing Explicit Formulas		
Least Squares Regression	Exploring Linear Regression		
	Using Linear Regression		

Name:

1	Searching for Patterns		
MATHia Unit	MATHia Workspace	Completed	Reflection
Correlation	Interpreting Lines of Best Fit		
	Correlation and Causation		
Creating Residual Plots	Analyzing Residuals of Lines of Best Fit		

Name:

2		Exploring Constant Change	
MATHia Unit	MATHia Workspace	Completed	Reflection
Connecting Arithmetic Sequences and Linear Functions	Writing Sequences as Linear Functions		
	Understanding Linear Functions		
	Equal Differences Over Equal Intervals		
Multiple Representations of Linear Functions	Multiple Representations of Linear Functions		
	Modeling Linear Relationships Using Multiple Representations		
Transforming Linear Functions	Exploring Graphs of Linear Functions		
	Vertically Translating Linear Functions		
	Vertically Dilating Linear Functions		
	Multiple Transformations of Linear Functions		
Comparing Linear Functions in Different Forms	Comparing Linear Functions in Different Forms		
Solving Linear and Literal Equations	Reasoning About Solving Equations		
	Solving Linear Equations in a Variety of Forms		

Name:

2		Exploring Constant Change	
MATHia Unit	MATHia Workspace	Completed	Reflection
Solving Linear and Literal Equations (continued)	Extending Equations to Literal Equations		
	Solving Literal Equations		
Modeling Linear Inequalities	Graphing Inequalities with Rational Numbers		
	Solving Two-Step Linear Inequalities		
	Representing Compound Inequalities		
Introduction to Systems of Linear Equations	Representing Systems of Linear Functions		
	Modeling Linear Systems Using Integers		
	Solving Linear Systems Using Substitution		
Using Linear Combinations to Solve a System of Linear Equations	Solving Linear Systems Using Linear Combinations		
	Solving Linear Systems Using Linear Combinations		
Graphing Linear Inequalities in Two Variables	Exploring Linear Inequalities		
	Graphing Linear Inequalities in Two Variables		

Name:

2 Exploring Constant Change			
MATHia Unit	MATHia Workspace	Completed	Reflection
Graphing a System of Linear Inequalities	Systems of Linear Inequalities		
	Interpreting Solutions to Systems of Inequalities		
Defining Absolute Value Functions and Transformations	Building Absolute Value Functions		
	Vertically Dilating Absolute Value Functions		
	Vertically Translating Absolute Value Functions		
	Horizontally Translating Absolute Value Functions		
	Multiple Transformations of Absolute Value Functions		
Absolute Value Equations and Inequalities	Reasoning About Absolute Value Functions		
	Graphing Simple Absolute Value Equations Using Number Lines		
	Introduction to Absolute Value Equations		
	Solving Absolute Value Equations		
	Reasoning About Absolute Value Inequalities		

Name:

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Exploring Constant Change

MATHia Unit	MATHia Workspace	Completed	Reflection
Linear Piecewise Functions	Introduction to Piecewise Functions		
	Graphing Linear Piecewise Functions		
	Interpreting Piecewise Functions		
	Using Linear Piecewise Functions		
Step Functions	Analyzing Step Functions		

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Investigating Growth and Decay

MATHia Unit	MATHia Workspace	Completed	Reflection
Geometric Sequences and Exponential Functions	Writing Sequences as Exponential Functions		
	Using the Properties of Exponents		
Rational Exponents	Properties of Rational Exponents		
	Rewriting Expressions with Radical and Rational Exponents		
	Solving Contextual Exponential Relations Using Common Bases		
	Introduction to Transforming Exponential Functions		
Transformations of Exponential Functions	Vertically Translating Exponential Functions		
	Horizontally Translating Exponential Functions		
	Reflecting and Dilating Exponential Functions Using Graphs		
	Recognizing Linear and Exponential Models		
Exponential Equations for Growth and Decay	Calculating and Interpreting Average Rate of Change		
	Recognizing Growth and Decay		
	Comparing Exponential Functions in Different Forms		

Name:

3	Investigating Growth and Decay		
MATHia Unit	MATHia Workspace	Completed	Reflection
Solving Exponential Equations	Modeling Equations with a Starting Point of 1.		
	Modeling Equations with a Starting Point Other Than 1		
	Solving Exponential Equations Using a Graph		
Modeling Using Exponential Functions	Relating the Domain to Exponential Functions		
	Exploring Exponential Regressions		

Name:

4	Describing Distributions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Graphically Representing Data	Creating Frequency Plots		
	Describing Data Sets		
Comparing Measures of Center and Spread	Determining Appropriate Measures of Center		
	Measuring the Effects of Changing Data Sets		
	Creating Box Plots and Identifying Outliers		
	Calculating Standard Deviation		
Comparing Data Sets	Comparing and Interpreting Measures of Center		
	Comparing Data Sets Using Center and Spread		
Two-Variable Categorical Data	Creating Marginal Frequency Distributions		
	Using Marginal Frequency Distributions		
	Creating Marginal Relative Frequency Distributions		

Name:

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Describing Distributions

MATHia Unit	MATHia Workspace	Completed	Reflection
Two-Variable Categorical Data (continued)	Using Marginal Relative Frequency Distributions		
	Creating Conditional Relative Frequency Distributions		
	Using Conditional Relative Frequency Distributions		

Name:

5		Maximizing and Minimizing	
MATHia Unit	MATHia Workspace	Completed	Reflection
Exploring Quadratic Functions	Introduction to a Quadratic Function		
	Modeling Area as Product of Monomial and Binomial		
	Modeling Area as Product of Two Binomials		
	Modeling Projectile Motion		
	Recognizing Key Features of Vertical Motion Graphs		
	Interpreting Maximums of Quadratic Models		
Key Characteristics of Quadratic Functions	Recognizing Quadratic Functions from Tables		
	Identifying Properties of Quadratic Functions		
Transformations of Quadratic Functions	Vertically Translating Quadratic Functions		
	Horizontally Translating Quadratic Functions		

Name:

5	Maximizing and Minimizing		
MATHia Unit	MATHia Workspace	Completed	Reflection
Transformations of Quadratic Functions (continued)	Reflecting and Dilating Quadratic Functions using Graphs		
	Transforming Quadratic Functions Using Tables		
	Multiple Transformations of Quadratic Functions		
Sketching and Comparing Quadratic Functions	Comparing Increasing Linear, Exponential, and Quadratic Functions		
	Sketching Quadratic Functions		
	Comparing Quadratic Functions in Different Forms		
Adding, Subtracting, and Multiplying Polynomials	Introduction to Polynomial Arithmetic		
	Identifying Parts of Complex Algebraic Expressions		
	Operating with Functions on the Coordinate Plane		
	Adding Polynomials		
	Subtracting Polynomials		
	Using a Factor Table to Multiply Binomials		
	Multiplying Binomials		

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5	Maximizing and Minimizing		
MATHia Unit	MATHia Workspace	Completed	Reflection
Representing Solutions to Quadratic Equations	Making Sense of Roots and Zeros		
	Factoring using Difference of Squares		
Solutions to Quadratic Equations in Vertex Form	Using Properties of Equality to Solve Quadratic Equations		
Factoring and Completing the Square	Introduction to Factoring		
	Factoring Trinomials with Coefficients of One		
	Factoring Trinomials with Coefficients Other than One		
	Factoring Quadratic Expressions		
	Solving Quadratic Equations by Factoring		
	Problem Solving Using Factoring		
	Completing the Square		
	Problem Solving Using Completing the Square		

Name:

5	Maximizing and Minimizing		
MATHia Unit	MATHia Workspace	Completed	Reflection
The Quadratic Formula	Deriving the Quadratic Formula		
	Solving Quadratic Equations		
Using Quadratic Functions to Model Data	Using Regression Models		
Factoring and Completing the Square	Introduction to Factoring		
	Introduction to Inverses		
	Recognizing Graphs of Inverses		