

Name:

1 Analyzing Structure			
MATHia Unit	MATHia Workspace	Completed	Reflection
Observing Patterns	Exploring and Analyzing Patterns		
	Comparing Familiar Function Representations		
	Identifying Key Characteristics of Graphs of Functions		
Forms of Quadratic Functions	Examining the Shape and Structure of Quadratic Functions		
	Quadratic Modeling		
Solving Quadratic Equations	Solving Quadratic Equations by Factoring		
	Quadratic Equation Solving		
Imaginary and 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		

Name:

1	Analyzing Structure		
MATHia Unit	MATHia Workspace	Completed	Reflection
Reviewing Function Transformations	Transforming Functions		
	Quadratic Transformations		
Exploring Cubic Functions	Modeling Polynomial Functions		
Power Functions	Analyzing Polynomial Functions		
	Classifying Polynomial Functions		
Key Characteristics of Polynomial Functions	Identifying Key Characteristics of Polynomial Functions		
	Identifying Zeros of Polynomials		
	Using Zeros to Sketch Graphs of Polynomials		
Analyzing and Comparing Polynomial Functions	Interpreting Key Features of Graphs in Terms of Quantities		
	Understanding Average Rate of Change of Polynomial Functions		
	Comparing Polynomial Functions in Different Forms		

Name:

2		Developing Structural Similarities	
MATHia Unit	MATHia Workspace	Completed	Reflection
Polynomial Multiplication and Division	Using a Factor Table to Multiply Polynomials		
	Multiplying Polynomials		
	Synthetic Division		
	Factoring Higher-Order Polynomials		
	Solving Polynomial Functions		
Solving Polynomial Inequalities	Solving Polynomial Inequalities		
Polynomial Models	Pascal's Triangle		
	Binomial Theorem		
	Exploring Polynomial Regression		
Introduction to Rational Functions	Introduction to Rational Functions		
	Modeling Rational Functions		
	Rewriting Rational Expressions		

Name:

2		Developing Structural Similarities	
MATHia Unit	MATHia Workspace	Completed	Reflection
Operations with Rational Expressions	Adding and Subtracting Rational Expressions		
	Multiplying and Dividing Rational Expressions		
Solving Problems with Rational Equations	Solving Rational Equations that Result in Linear Equations		
Solving Work, Mixture, Distance, and Cost Problems	Modeling Ratios as Rational Functions		
	Using Rational Models		
	Solving Work, Mixture, and Distance Problems		
	Modeling and Solving with Rational Functions		

Name:

3	Inverting Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Inverses of Functions	Investigating Inverses of Functions		
	Sketching Graphs of Inverses		
	Graphing Square Root Functions		
	Calculating Inverses of Linear Functions		
Rewriting Radical Expressions	Rewriting Radicals		
	Adding and Subtracting Radicals		
	Multiplying Radicals		
	Dividing Radicals		
	Rewriting Radicals with Variables		
	Adding and Subtracting Radicals with Variables		
Exponential and Logarithmic Functions	Properties of Exponential Graphs		
	Introduction to Logarithmic Functions		

Name:

3	Inverting Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Solve Logarithmic Equations	Solving Base 2 and Base 10 Equations		
	Solving Base e Equations		
	Solving Any Base Equations		
Finite Geometric Series	Introduction to Finite Geometric Series		
	Problem Solving Using Finite Geometric Series		

Name:

4	Investigating Periodic Functions		
MATHia Unit	MATHia Workspace	Completed	Reflection
Trigonometric Relationships	Understanding the Unit Circle		
	Representing Periodic Behavior		
The Pythagorean Identity	Proving the Pythagorean Identity		
	Using the Pythagorean Identity to Determine Sine, Cosine or Tangent		
Solving Trigonometric Equations	Solving Sine and Cosine Equations (No Type In)		
	Solving Tangent Equations (No Type In)		
	Solving Tangent, Sine, and Cosine Equations (No Type In)		

Name:

5

Relating Data and Decisions

MATHia Unit	MATHia Workspace	Completed	Reflection
Normal Distributions	Creating Relative Frequency Histograms		
	Applying the Empirical Rule for Normal Distributions		
	Z-Scores and Percentiles		
	Normal Distributions and Probability		