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Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.N.Q.A.1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.	Textbook	1: Searching for Patterns	1: Quantities and Relationships	1: A Picture Is Worth a Thousand Words: Understanding Quantities and Their Relationships pp. M1-7A–M1-20
			2: Exploring Constant Change	1: Linear Functions	2: Fun with Functions, Linear Ones: Making Sense of Different Representations of a Linear Function pp. M2-23A–M2-40
					5: Making a Connection: Comparing Linear Functions in Different Forms pp. M2-73A–M2-83
2: Solving Linear Equations and Inequalities	2: It's Literally About Literal Equations: Literal Equations pp. M2-91A–M2-102				
M1N.Q.A.2	Identify, interpret, and justify appropriate quantities for the purpose of descriptive modeling.	Textbook	1: Searching for Patterns	1: Quantities and Relationships	1: A Picture Is Worth a Thousand Words: Understanding Quantities and Their Relationships pp. M1-7A–M1-20
			3: Investigating Growth and Decay	2: Using Exponential Equations	3: Tea and Carbon Dioxide: Modeling Using Exponential Functions pp. M3-87A–M3-96
		MATHia Software	1: Searching for Patterns	1: Function Overview	4: BAC Is BAD News: Choosing a Function to Model BAC pp. M3-97A–M3-106
M1.N.Q.A.3	Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.	Textbook	1: Searching for Patterns	3: Linear Regressions	1: Identifying Quantities
					1: Like a Glove: Least Square Regressions pp. M1-163A–M1-176
			2: Exploring Constant Change	2: Solving Linear Equations and Inequalities	2: Gotta Keep It Correlatin': Correlation pp. M1-177A–M1-191
4: To Fit or Not To Fit? That Is The Question!: Using Residual Plots pp. M1-207A–M1-218					
3: Investigating Growth and Decay	2: Using Exponential Equations	3: Not All Statements Are Made Equal: Modeling Linear Inequalities pp. M2-121A–M2-134			
					4: Don't Confound Your Compounds: Solving and Graphing Compound Inequalities pp. M2-135A–M2-148
					1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.A.SSE.A.1a	Interpret parts of an expression, such as terms, factors, and coefficients.	Textbook	2: Exploring Constant Change	1: Linear Functions	2: Fun with Functions, Linear Ones: Making Sense of Different Representations of a Linear Function pp. M2-23A–M2-40
			3: Investigating Growth and Decay	1: Introduction to Exponential Functions	1: Constant Ratios: Geometric Sequences and Exponential Functions pp. M3-7A–M3-22
M1.A.SSE.A.1b	Interpret complicated expressions by viewing one or more of their parts as a single entity.	Textbook	3: Investigating Growth and Decay	2: Using Exponential Equations	1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76
M1.A.SSE.B.2a	Use the properties of exponents to rewrite exponential expressions.	Textbook	3: Exploring Functions	2: Exponentials	3: Just So . . . Basic: Horizontal Dilations of Exponential Functions pp. M3-119A–M3-132
M1.A.CED.A.1	Create equations and inequalities in one variable and use them to solve problems.	Textbook	2: Exploring Constant Change	1: Linear Functions	2: Fun with Functions, Linear Ones: Making Sense of Different Representations of a Linear Function pp. M2-23A–M2-40
				2: Solving Linear Equations and Inequalities	1: Strike a Balance: Solving Linear Equations pp. M2-97A–M2-108A
			3: Not All Statements Are Made Equal: Modeling Linear Inequalities pp. M2-121A–M2-134		
			4: Don't Confound Your Compounds: Solving and Graphing Compound Inequalities pp. M2-135A–M2-148		
		3: Investigating Growth and Decay	1: Introduction to Exponential Functions	2: To the What?: Comparing Exponential Functions pp. M3-23A–M3-34	
			2: Using Exponential Equations	1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76	
		MATHia Software		2: Exploring Constant Change	2: Linear Equations
1: Modeling Rates of Change					
3: Modeling Linear Equations Given an Initial Point					

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M1.A.CED.A.1	Create equations and inequalities in one variable and use them to solve problems.	MATHia Software	2: Exploring Constant Change	2: Linear Equations	4: Modeling Linear Equations Using Multiple Representations
			3: Investigating Growth and Decay	5: Solving Exponential Equations	1: Solving Exponential Equations Using a Graph
					2: Solving Contextual Exponential Equations Using Common Bases
					3: Solving Complex Exponential Equations Using Common Bases
M1.A.CED.A.2	Create equations in two or more variables to represent relationships between quantities; graph equations with two variables on coordinate axes with labels and scales.	Textbook	2: Exploring Constant Change	3: Systems of Equations and Inequalities	1: Double the Fun: Introduction to Systems of Equations pp. M2-157A-M2-172
					2: The Elimination Round: Using Linear Combinations to Solve a System of Linear Equations pp. M2-173A-M2-186
			3: Investigating Growth and Decay	2: Using Exponential Equations	3: Throwing Shade: Graphing Inequalities in Two Variables pp. M2-187A-M2-202
					1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A-M3-76
		2: The Horizontal Line and Powers: Interpreting Parameters in Context pp. M3-77A-M3-86			
M1.A.CED.A.3	Represent constraints by equations or inequalities and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context.	Textbook	2: Exploring Constant Change	2: Solving Linear Equations and Inequalities	3: Not All Statements Are Made Equal: Modeling Linear Inequalities pp. M2-131A-M2-134
					3: Systems of Equations and Inequalities
				4: Working with Constraints: Systems of Linear Inequalities pp. M2-203A-M2-216	
				5: Working the System: Solving Systems of Equations and Inequalities pp. M2-217A-M2-226	
				6: Take It to the Max...or Min: Linear Programming pp. M2-227A-M2-236	
M1.A.CED.A.4	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.	Textbook	2: Exploring Constant Change	2: Solving Linear Equations and Inequalities	2: It's Literally About Literal Equations: Literal Equations pp. M2-109A-M2-120

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.A.REI.A.1	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	Textbook	2: Exploring Constant Change	2: Solving Linear Equations and Inequalities	1: Strike a Balance: Solving Linear Equations pp. M2-97A–M2-108A
					3: Not All Statements Are Made Equal: Modeling Linear Inequalities pp. M2-121A–M2-134
			4: Don't Confound Your Compounds: Solving and Graphing Compound Inequalities pp. M2-135A–M2-148		
		3: Investigating Growth and Decay	1: Introduction to Exponential Functions	2: To the What?: Comparing Exponential Functions pp. M3-23A–M3-34	
		MATHia Software	2: Exploring Constant Change	3: Linear Inequalities	1: Graphing Inequalities 2: Solving Two-Step Linear Inequalities 3: Representing Compound Inequalities
M1.A.REI.B.2	Write and solve a system of linear equations in context.	Textbook	2: Exploring Constant Change	3: Systems of Equations and Inequalities	1: Double the Fun: Introduction to Systems of Equations pp. M2-157A–M2-172
					2: The Elimination Round: Using Linear Combinations to Solve a System of Linear Equations pp. M2-173A–M2-186
					5: Working the System: Solving Systems of Equations and Inequalities pp. M2-217A–M2-226
		MATHia Software	2: Exploring Constant Change	4: Systems of Linear Equations	1: Representing Systems of Linear Functions 3: Solving Linear Systems Using Any Method
M1.A.REI.C.3	Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).	Textbook	1: Searching for Patterns	1: Quantities and Relationships	1: A Picture Is Worth a Thousand Words: Understanding Quantities and Their Relationships pp. M1-7A–M1-20

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)	
M1.A.REI.C.3	Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).	Textbook	2: Exploring Constant Change	1: Linear Functions	2: Fun with Functions, Linear Ones: Making Sense of Different Representations of a Linear Function pp. M2-23A–M2-40	
				3: Systems of Equations and Inequalities	1: Double the Fun: Introduction to Systems of Equations pp. M2-157A–M2-172	
			3: Investigating Growth and Decay	1: Introduction to Exponential Functions	1: Constant Ratios: Geometric Sequences and Exponential Functions pp. M3-7A–M3-22	
				2: Using Exponential Equations	2: The Horizontal Line and Powers: Interpreting Parameters in Context pp. M3-77A–M3-86	
MATHia Software	2: Exploring Constant Change	1: Linear Function Overview	4: Exploring Graphs of Linear Functions			
M1.A.REI.C.4	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the approximate solutions using technology.*	Textbook	2: Exploring Constant Change	3: Systems of Equations and Inequalities	1: Double the Fun: Introduction to Systems of Equations pp. M2-157A–M2-172	
					6: Take It to the Max...or Min: Linear Programming pp. M2-227A–M2-236	
		MATHia Software	2: Exploring Constant Change	3: Investigating Growth and Decay	2: Using Exponential Equations	2: The Horizontal Line and Powers: Interpreting Parameters in Context pp. M3-77A–M3-86
					4: Systems of Linear Equations	1: Representing Systems of Linear Functions
3: Investigating Growth and Decay	5: Solving Exponential Equations	1: Solving Exponential Equations Using a Graph				
M1.A.REI.C.5	Graph the solutions to a linear inequality in two variables as a half plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.	Textbook	2: Exploring Constant Change	3: Systems of Equations and Inequalities	3: Throwing Shade: Graphing Inequalities in Two Variables pp. M2-187A–M2-202	

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.A.REI.C.5	Graph the solutions to a linear inequality in two variables as a half plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.	Textbook	2: Exploring Constant Change	3: Systems of Equations and Inequalities	4: Working with Constraints: Systems of Linear Inequalities pp. M2-203A–M2-216
					5: Working the System: Solving Systems of Equations and Inequalities pp. M2-217A–M2-226
					6: Take It to the Max...or Min: Linear Programming pp. M2-227A–M2-236
		MATHia Software	2: Exploring Constant Change	5: Linear Inequalities in Two Variables	1: Graphing Linear Inequalities 2: Systems of Linear Inequalities
M1.F.IF.A.1	Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. If f is a function and x is an element of its domain, then $f(x)$ denotes the output of f corresponding to the input x . The graph of f is the graph of the equation $y = f(x)$.	Textbook	1: Searching for Patterns	1: Quantities and Relationships	1: A Picture Is Worth a Thousand Words: Understanding Quantities and Their Relationships pp. M1-7A–M1-20 3: G of X: Recognizing Functions and Function Families pp. M1-39A–M1-60
			2: Exploring Constant Change	1: Linear Functions	1: Connecting the Dots: Making Connections Between Arithmetic Sequences and Linear Functions pp. M2-7A–M2-22
		MATHia Software	1: Searching for Patterns	1: Function Overview	2: Introduction to Function Families
			2: Exploring Constant Change	1: Linear Function Overview	2: Understanding Linear Functions
					4: Exploring Graphs of Linear Functions
					5: Identifying Key Characteristics of Graphs of Functions
M1.F.IF.A.2	Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.	Textbook	2: Exploring Constant Change	1: Linear Functions	2: Fun with Functions, Linear Ones: Making Sense of Different Representations of a Linear Function pp. M2-23A–M2-40
				3: Systems of Equations and Inequalities	6: Take It to the Max...or Min: Linear Programming pp. M2-227A–M2-236
		MATHia Software	2: Exploring Constant Change	1: Linear Function Overview	3: Evaluating Linear Functions

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.F.IF.B.3	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.*	Textbook	1: Searching for Patterns	1: Quantities and Relationships	1: A Picture Is Worth a Thousand Words: Understanding Quantities and Their Relationships pp. M1-7A–M1-20
					2: A Sort of Sorts: Analyzing and Sorting Graphs pp. M1-21A–M1-38
					3: G of X: Recognizing Functions and Function Families pp. M1-39A–M1-60
		MATHia Software	3: Investigating Growth and Decay	1: Exponential Functions	4: Function Families for 800, Alex: Recognizing Functions by Characteristics pp. M1-61A–M1-72
					2: Fun with Functions, Linear Ones: Making Sense of Different Representations of a Linear Function pp. M2-23A–M2-40
					3: Move It!: Transforming Linear Functions pp. M2-41A–M2-60
3: My A, B, C, Ds: Transformations of Exponential Functions pp. M3-35A–M3-57					
M1.F.IF.B.4	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.*	Textbook	1: Searching for Patterns	1: Quantities and Relationships	3: G of X: Recognizing Functions and Function Families pp. M1-39A–M1-60
					MATHia Software
		3: Relating the Domain to Exponential Functions			
M1.F.IF.B.5	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.*	Textbook	2: Exploring Constant Change	1: Linear Functions	1: Connecting the Dots: Making Connections Between Arithmetic Sequences and Linear Functions pp. M2-7A–M2-22

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.F.IF.B.5	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph.*	Textbook	3: Investigating Growth and Decay	2: Using Exponential Equations	1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76
		MATHia Software	2: Exploring Constant Change	1: Linear Function Overview	2: Understanding Linear Functions
			3: Investigating Growth and Decay	1: Exponential Functions	5: Calculating and Interpreting Average Rate of Change
M1.F.IF.C.6a	Graph linear functions and show its intercepts.	Textbook	2: Exploring Constant Change	1: Linear Functions	3: Move It!: Transforming Linear Functions pp. M2-41A–M2-60
				3: Systems of Equations and Inequalities	1: Double the Fun: Introduction to Systems of Equations pp. M2-157A–M2-172
M1.F.IF.C.7	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	Textbook	2: Exploring Constant Change	1: Linear Functions	5: Making a Connection: Comparing Linear Functions in Different Forms pp. M2-73A–M2-83
			3: Investigating Growth and Decay	1: Introduction to Exponential Functions	2: To the What?: Comparing Exponential Functions pp. M3-23A–M3-34
		MATHia Software	2: Exploring Constant Change	1: Linear Function Overview	6: Comparing Linear Functions in Different Forms
			3: Investigating Growth and Decay	1: Exponential Functions	6: Comparing Exponential Functions in Different Forms
M1.F.BF.A.1a	Determine an explicit expression, a recursive process, or steps for calculation from a context.	Textbook	1: Searching for Patterns	2: Sequences	1: Is There a Pattern Here?: Recognizing Patterns and Sequences pp. M1-83A–M1-98
					3: Did You Mean: Recursion?: Determining Recursive and Explicit Expressions from Contexts pp. M1-131–M1-142
			3: Investigating Growth and Decay	1: Introduction to Exponential Functions	1: Constant Ratios: Geometric Sequences and Exponential Functions pp. M3-7A–M3-22
		MATHia Software	1: Searching for Patterns	2: Sequences	2: To the What?: Comparing Exponential Functions pp. M3-23A–M3-34
					2: Writing Recursive Formulas
3: Writing Explicit Formulas					
M1.F.BF.A.2	Write arithmetic and geometric sequences with an explicit formula and use them to model situations.*	Textbook	1: Searching for Patterns	2: Sequences	2: The Password Is: Operations: Arithmetic and Geometric Sequences pp. M1-99A–M1-130
					4: 3 Pegs, N Discs: Modeling Using Sequences pp. M1-143A–M1-154

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M1.F.LE.A.1a	Recognize that linear functions grow by equal differences over equal intervals and that exponential functions grow by equal factors over equal intervals.	Textbook	2: Exploring Constant Change	1: Linear Functions	1: Connecting the Dots: Making Connections Between Arithmetic Sequences and Linear Functions pp. M2-7A–M2-22
			3: Investigating Growth and Decay	1: Introduction to Exponential Functions	1: Constant Ratios: Geometric Sequences and Exponential Functions pp. M3-7A–M3-22
M1.F.LE.A.1b	Recognize situations in which one quantity changes at a constant rate per unit interval relative to another.	Textbook	2: Exploring Constant Change	1: Linear Functions	1: Connecting the Dots: Making Connections Between Arithmetic Sequences and Linear Functions pp. M2-7A–M2-22
		MATHia Software	3: Investigating Growth and Decay	4: Comparing Linear and Exponential Models	1: Recognizing Linear and Exponential Models
M1.F.LE.A.1c	Recognize situations in which a quantity grows or decays by a constant factor per unit interval relative to another.	Textbook	3: Investigating Growth and Decay	2: Using Exponential Equations	1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76
		MATHia Software	3: Investigating Growth and Decay	4: Comparing Linear and Exponential Models	1: Recognizing Linear and Exponential Models 2: Recognizing Growth and Decay
M1.F.LE.A.2	Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or input-output pairs.	Textbook	2: Exploring Constant Change	1: Linear Functions	1: Connecting the Dots: Making Connections Between Arithmetic Sequences and Linear Functions pp. M2-7A–M2-22
			3: Investigating Growth and Decay	1: Introduction to Exponential Functions	1: Constant Ratios: Geometric Sequences and Exponential Functions pp. M3-7A–M3-22 2: To the What?: Comparing Exponential Functions pp. M3-23A–M3-34
M1.F.LE.A.3	Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quantity increasing linearly.	Textbook	3: Investigating Growth and Decay	2: Using Exponential Equations	1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76
M1.F.LE.B.4	Interpret the parameters in a linear or exponential function in terms of a context.	Textbook	3: Investigating Growth and Decay	1: Introduction to Exponential Functions	1: Constant Ratios: Geometric Sequences and Exponential Functions pp. M3-7A–M3-22
				2: Using Exponential Equations	1: Downtown and Uptown: Exponential Equations for Growth and Decay pp. M3-67A–M3-76 2: The Horizontal Line and Powers: Interpreting Parameters in Context pp. M3-77A–M3-86

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M1.G.CO.A.1	Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, plane, distance along a line, and distance around a circular arc.	Textbook	5: Analyzing Geometric Functions	1: Constructions	1: Construction Ahead: Constructing a Square pp. M5-7A–M524
		MATHia Software	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	1: Put Your Input In, Take Your Output Out: Geometric Components of Rigid Motions pp. M5-53A–M5-66
M1.G.CO.A.2	Represent transformations in the plane in multiple ways, including technology. Describe transformations as functions that take points in the plane (pre-image) as inputs and give other points (image) as outputs. Compare transformations that preserve distance and angle measure to those that do not (e.g., translation versus horizontal stretch).	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	1: Naming Lines, Rays, Segments, and Angles
					2: Working with Measures of Segments and Angles
M1.G.CO.A.3	Given a rectangle, parallelogram, trapezoid, or regular polygon, describe the rotations and reflections that carry it onto itself.	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	2: Bow Thai: Translations as Functions pp. M5-67A–M5-78
					3: Staring Back at Me: Reflections as Functions pp. M5-79A–M5-92
M1.G.CO.A.4	Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments.	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	4: Turn Yourself Around: Rotations as Functions pp. M5-93A–M5-106
					5: OKEECHOBEE: Reflectional and Rotational Symmetry pp. M5-107A–M5-116
M1.G.CO.A.5	Given a geometric figure and a rigid motion, draw the image of the figure in multiple ways, including technology. Specify a sequence of rigid motions that will carry a given figure onto another.	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	2: Rotations and Reflections on the Plane
					MATHia Software
M1.G.CO.A.5	Given a geometric figure and a rigid motion, draw the image of the figure in multiple ways, including technology. Specify a sequence of rigid motions that will carry a given figure onto another.	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	2: Bow Thai: Translations as Functions pp. M5-67A–M5-78
					MATHia Software
M1.G.CO.A.5	Given a geometric figure and a rigid motion, draw the image of the figure in multiple ways, including technology. Specify a sequence of rigid motions that will carry a given figure onto another.	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	4: Turn Yourself Around: Rotations as Functions pp. M5-93A–M5-106
					MATHia Software

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M1.G.CO.B.6	Use geometric descriptions of rigid motions to transform figures and to predict the effect of a given rigid motion on a given figure; given two figures, use the definition of congruence in terms of rigid motions to determine informally if they are congruent.	Textbook	5: Analyzing Geometric Functions	2: Rigid Motions on a Plane	1: Put Your Input In, Take Your Output Out: Geometric Components of Rigid Motions pp. M5-53A–M5-66
				3: Congruence Through Transformations	3: I Never Forget a Face: Using Triangle Congruence to Solve Problems pp. M5-159–M5-170
M1.G.CO.B.7	Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.	Textbook	5: Analyzing Geometric Functions	3: Congruence Through Transformations	2: ASA, SAS, and SSS: Proving Triangle Congruence Theorems pp. M5-143–M5-169
		MATHia Software	5: Analyzing Geometric Functions	3: Triangle Congruence	1: Introduction to Triangle Congruence
M1.G.CO.B.8	Explain how the criteria for triangle congruence (ASA, SAS, AAS, and SSS) follow from the definition of congruence in terms of rigid motions.	Textbook	5: Analyzing Geometric Functions	3: Congruence Through Transformations	2: ASA, SAS, and SSS: Proving Triangle Congruence Theorems pp. M5-143–M5-169
		MATHia Software	5: Analyzing Geometric Functions	3: Triangle Congruence	1: Introduction to Triangle Congruence
M1.G.CO.C.9	Prove theorems about lines and angles.	Textbook	1: Reasoning With Shapes	1: Composing and Decomposing Shapes	1: Running Circles Around Geometry: Using Circles to Make Conjectures pp. M1-7A–M1-22
				2: Justifying Line and Angle Relationships	1: Proof Positive: Forms of Proof pp. M1-85A–M1-106
					2: A Parallel Universe: Proving Parallel Line Theorems pp. M1-107A–M1-126
4: Identical Twins: Perpendicular Bisector and Isosceles Triangle Theorems pp. M1-143A–M1-164					

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)	
M1.G.CO.C.10	Prove theorems about triangles.	Textbook	1: Reasoning With Shapes	1: Composing and Decomposing Shapes	1: Running Circles Around Geometry: Using Circles to Make Conjectures pp. M1-7A–M1-22	
					4: Tri Tri- Tri- and Separate Them: Conjectures About Triangles pp. M1-41A–M1-54	
					4: What's the Point?: Points of Concurrency pp. M1-55A–M1-72	
		MATHia Software	5: Analyzing Geometric Functions	3: Triangle Congruence	2: Justifying Line and Angle Relationships	3: Ins and Outs: Interior and Exterior Angles of Polygons pp. M1-127A–M1-142
						4: Identical Twins: Perpendicular Bisector and Isosceles Triangle Theorems pp. M1-143A–M1-164
						1: SSS, SAS, AAS, . . . S.O.S!: Using Triangle Congruence to Determine Relationships Between Segments pp. M1-209A–M2-220
M1.G.CO.C.11	Prove theorems about parallelograms.	Textbook	1: Reasoning With Shapes	1: Composing and Decomposing Shapes	2: The Quad Squad: Conjectures About Quadrilaterals pp. M1-23A–M1-40	
					3: Using Congruence Theorems	2: Props To You: Properties of Quadrilaterals pp. M1-221A–M2-248
M1.S.ID.A.1	Represent single or multiple data sets with dot plots, histograms, stem plots (stem and leaf), and box plots.	Textbook	4: Describing Distributions	1: One-Variable Statistics	1: Represent!: Graphically Representing Data pp. M4-7A–M4-16	
					2: A Skewed Reality: Determining the Better Measure of Center and Spread for a Data Set pp. M4-17A–M4-34	
		MATHia Software	4: Describing Distributions	1: Numerical Summary Statistics	3: Daring to Compare: Comparing Data Sets pp. M4-35A–M4-44	3: Comparing and Interpreting Measures of Center

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.S.ID.A.2	Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.	Textbook	4: Describing Distributions	1: One-Variable Statistics	1: Represent!: Graphically Representing Data pp. M4-7A-M4-16
					2: A Skewed Reality: Determining the Better Measure of Center and Spread for a Data Set pp. M4-17A-M4-34
		MATHia Software	4: Describing Distributions	1: Numerical Summary Statistics	3: Daring to Compare: Comparing Data Sets pp. M4-35A-M4-44
					1: Determining Appropriate Measures
M1.S.ID.A.3	Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).	Textbook	4: Describing Distributions	1: One-Variable Statistics	3: Comparing and Interpreting Measures of Center
					4: Calculating Standard Deviation
		MATHia Software	4: Describing Distributions	1: Numerical Summary Statistics	2: A Skewed Reality: Determining the Better Measure of Center and Spread for a Data Set pp. M4-17A-M4-34
M1.S.ID.B.4	Represent data on two quantitative variables on a scatter plot, and describe how the variables are related.	Textbook	1: Searching for Patterns	3: Linear Regressions	3: Daring to Compare: Comparing Data Sets pp. M4-35A-M4-44
					2: Measuring the Effects of Changing Data Sets
M1.S.ID.B.4a	Fit a function to the data; use functions fitted to data to solve problems in the context of the data. Use given functions or choose a function suggested by the context.	Textbook	1: Searching for Patterns	3: Linear Regressions	3: The Residual Effect: Creating Residual Plots pp. M1-193A-M1-206
					4: To Fit or Not To Fit? That Is The Question!: Using Residual Plots pp. M1-207A-M1-218
					1: Like a Glove: Least Square Regressions pp. M1-163A-M1-176
					2: Gotta Keep It Correlatin': Correlation pp. M1-133A-M1-191
					3: The Residual Effect: Creating Residual Plots pp. M1-193A-M1-206
					4: To Fit or Not To Fit? That Is The Question!: Using Residual Plots pp. M1-207A-M1-218

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit(MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
M1.S.ID.B.4a	Fit a function to the data; use functions fitted to data to solve problems in the context of the data. Use given functions or choose a function suggested by the context.	Textbook	3: Investigating Growth and Decay	2: Using Exponential Equations	3: Tea and Carbon Dioxide: Modeling Using Exponential Functions pp. M3-87A–M3-96
		MATHia Software	1: Searching for Patterns	3: Linear Regression	4: BAC Is BAD News: Choosing a Function to Model BAC pp. M3-97A–M3-106
M1.S.ID.B.4b	Fit a linear function for a scatter plot that suggests a linear association.	Textbook	1: Searching for Patterns	3: Linear Regressions	1: Exploring Linear Regression
		MATHia Software	1: Searching for Patterns	3: Linear Regression	2: Using Linear Regression
M1.S.ID.C.5	Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data.	Textbook	1: Searching for Patterns	3: Linear Regressions	1: Like a Glove: Least Square Regressions pp. M1-163A–M1-176
		MATHia Software	1: Searching for Patterns	3: Linear Regression	2: Gotta Keep It Correlatin': Correlation pp. M1-133A–M1-191
M1.S.ID.C.6	Compute (using technology) and interpret the correlation coefficient of a linear fit.	Textbook	1: Searching for Patterns	3: Linear Regressions	3: The Residual Effect: Creating Residual Plots pp. M1-193A–M1-206
		MATHia Software	1: Searching for Patterns	3: Linear Regression	4: To Fit or Not To Fit? That Is The Question!: Using Residual Plots pp. M1-207A–M1-218
M1.S.ID.C.7	Distinguish between correlation and causation.	Textbook	1: Searching for Patterns	3: Linear Regressions	1: Exploring Linear Regression
		MATHia Software	1: Searching for Patterns	3: Linear Regression	1: Like a Glove: Least Square Regressions pp. M1-163A–M1-176
M1.S.ID.C.5	Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data.	Textbook	1: Searching for Patterns	3: Linear Regressions	1: Exploring Linear Regression
		MATHia Software	1: Searching for Patterns	3: Linear Regression	3: Interpreting Lines of Best Fit
M1.S.ID.C.6	Compute (using technology) and interpret the correlation coefficient of a linear fit.	Textbook	1: Searching for Patterns	3: Linear Regressions	2: Gotta Keep It Correlatin': Correlation pp. M1-133A–M1-191
		MATHia Software	1: Searching for Patterns	3: Linear Regression	3: Interpreting Lines of Best Fit
M1.S.ID.C.7	Distinguish between correlation and causation.	Textbook	1: Searching for Patterns	3: Linear Regressions	2: Gotta Keep It Correlatin': Correlation pp. M1-133A–M1-191