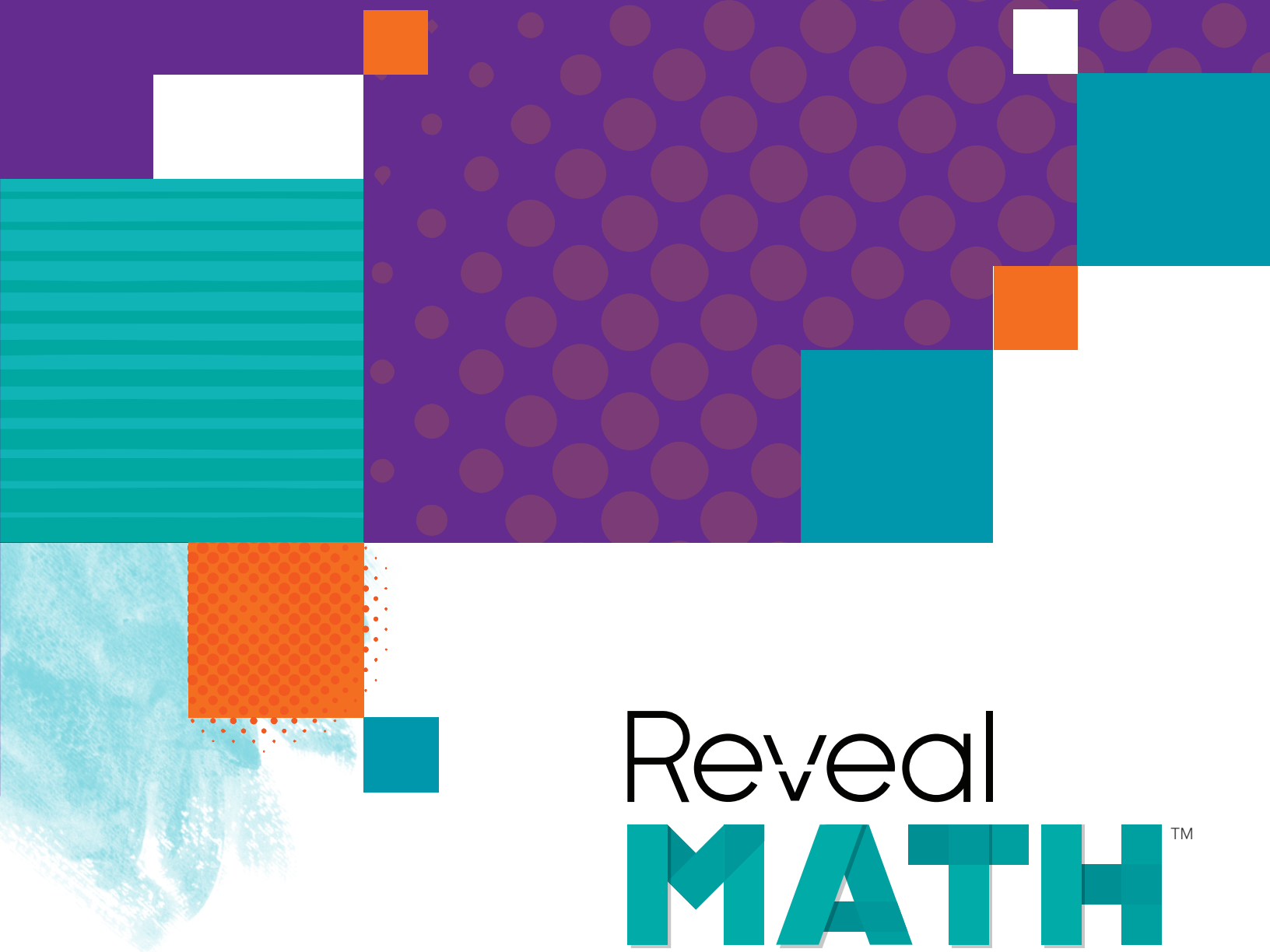




Reveal
MATH™

Algebra 1 • Geometry • Algebra 2

	Reveal ALGEBRA 1	Reveal GEOMETRY	Reveal ALGEBRA 2
The Number System and Quantity			
Rational Numbers			
Product of Two Rational Numbers Is Rational	N.RN.3		
Irrational Numbers			
Sum of Rational Number and Irrational Number Is Irrational	N.RN.3		
Product of Nonzero Rational Number and Irrational Number Is Irrational	N.RN.3		
Rational Exponents			
Extending Integer Exponents to Rational Exponents	N.RN.1		
Relating Rational Exponents to Radicals	N.RN.1		
Rewriting Expressions Involving Radicals and Rational Exponents	N.RN.2		
Reason Quantitatively and Using Units			
Using Units to Understand Problems and Solutions	N.Q.1		
Defining Appropriate Quantities for Descriptive Modeling	N.Q.2		
Choosing Accuracy Levels	N.Q.3		
Complex Numbers			
Complex Number i Exists Such That $i^2 = -1$			N.CN.1
Complex Numbers Have the Form $a + bi$			N.CN.1
Adding, Subtracting, Multiplying, and Dividing Complex Numbers			N.CN.2
Complex Numbers and Polynomials			
Solving Quadratic Equations with Complex Solutions			N.CN.7
Extend Polynomial Identities to Complex Numbers			N.CN.8
Fundamental Theorem of Algebra			N.CN.9

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	<i>Reveal ALGEBRA 1</i>	<i>Reveal GEOMETRY</i>	<i>Reveal ALGEBRA 2</i>
Proportional Relationships and Algebraic Thinking			
Expressions			
Writing and Evaluating Numerical Expressions	A.SSE.1a, A.SSE.2		
Writing and Evaluating Algebraic Expressions	A.SSE.1a, A.SSE.2		
Order of Operations	A.SSE.1a		
Using the Properties of Operations	A.SSE.1a, A.SSE.2		
Adding and Subtracting Linear Expressions	A.SSE.1a, A.SSE.2		
Interpreting Parts of Expressions	A.SSE.1a		A.SSE.1a
Interpreting Complicated Expressions	A.SSE.1b		A.SSE.1b
Rewriting Expressions for Clarity	A.SSE.2		A.SSE.2
Generating Equivalent Expressions	A.SSE.3		A.SSE.3a, A.SSE.3b
Transforming Exponential Expressions	A.SSE.3c		A.SSE.3c
Deriving the Formula for Sums of Finite Geometric Series			A.SSE.4
Polynomial and Rational Expressions			
Closure of Polynomials Expressions	A.APR.1		A.APR.1
Adding, Subtracting, and Multiplying Polynomials	A.APR.1		A.APR.1
Factoring Quadratic Expressions	A.SSE.3a		A.SSE.3a
Completing the Square in Quadratic Expressions	A.SSE.3b		A.SSE.3b
Remainder Theorem			A.APR.2
Using Zeros to Graph Polynomial Functions			A.APR.3
Identifying Zeros of Polynomials by Factoring			A.APR.3
Proving Polynomial Identities			A.APR.4
Binomial Theorem			A.APR.5
Dividing Polynomials			A.APR.6
Closure of Rational Expressions			A.APR.7
Adding, Subtracting, Multiplying, and Dividing Rational Expressions			A.APR.7

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One-Variable Equations and Inequalities			
Writing Equations to Solve Problems	A.CED.1		A.CED.1
Solving Linear Equations	A.CED.1, A.REI.3		A.CED.1, A.REI.3
Solving Equations with Letter Coefficients	A.REI.3		
One, Infinitely Many, or No Solutions	A.CED.1		
Solving Equations by Using the Distributive Property	A.CED.1		A.CED.1
Explaining Each Step in Solving Equations	A.REI.1		A.REI.1
Solving Quadratic Equations by Factoring	A.REI.4b		A.CED.1, A.REI.4b
Solving Quadratic Equations by Taking Square Roots	A.REI.4b		A.CED.1, A.REI.4b
Solving Quadratic Equations by Completing the Square	A.REI.4		A.CED.1, A.REI.4
Solving Quadratic Equations by Using the Quadratic Formula	A.REI.4b		A.CED.1, A.REI.4b
Solving Radical Equations			A.REI.2
Solving Rational Equations			A.CED.1, A.REI.2
Writing Inequalities to Solve Problems	A.CED.1		A.CED.1
Solving Linear Inequalities	A.CED.1, A.REI.3		A.CED.1, A.REI.3
Representing Constraints by Using Equations or Inequalities	A.CED.3		A.CED.3
Two-Variable Equations and Functions			
Writing Equations to Represent Functions	A.CED.2		A.CED.2
Graphing Proportional Relations and Equations	A.CED.2		A.CED.2
Slope of a Line	8.EE.6		
Rearranging Equations and Formulas	A.CED.4		A.CED.4
Relating Graphs and Equations	A.REI.10		
Intersections of Graphs	A.REI.11		A.REI.11
Graphing Solutions of Inequalities	A.REI.12		A.REI.12
Systems of Equations and Inequalities			
Solving Systems by Graphing	A.REI.6		A.REI.6
Solving Systems Algebraically	A.REI.6		A.REI.6
Proving Row Operations	A.REI.5		

	<i>Reveal ALGEBRA 1</i>	<i>Reveal GEOMETRY</i>	<i>Reveal ALGEBRA 2</i>
Systems of Equations and Inequalities			
Solving Systems of Linear and Quadratic Equations	A.REI.7		A.REI.7
Graphing Solutions of Systems of Inequalities	A.REI.12		A.REI.12
Functions			
Defining and Interpreting Functions			
Definition of Functions	F.IF.1		F.IF.1
Using Function Notation	F.IF.2		F.IF.1
Using Functions to Model	F.IF.4		F.IF.4
Graphs of Functions	F.IF.4		F.IF.4
Relating Domains to Relationships	F.IF.5		F.IF.5
Rate of Change	F.IF.6		F.IF.6
Linear Functions	F.IF.7a		F.IF.7a
Comparing Functions	F.IF.9		F.IF.9
Nonlinear Functions			
Comparing Linear and Nonlinear Functions	8.F.3		
Quadratic Functions	F.IF.7a		F.IF.7a
Square Root Functions			F.IF.7b
Cube Root Functions			F.IF.7b
Piecewise-Defined Functions	F.IF.7b		F.IF.7b
Polynomial Functions			F.IF.7c
Exponential Functions	F.IF.7e		F.IF.7e
Logarithmic Functions			F.IF.7e
Factor to Analyze Functions	F.IF.8a		F.IF.8a
Interpreting Expressions for Exponential Functions	F.IF.8b		F.IF.8b
Building Functions that Model Relationships			
Writing Functions from Relationships	F.BF.1a		F.BF.1a
Combining Function Types	F.BF.1b		F.BF.1b
Sequences as Functions	F.IF.3		F.IF.3

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Building Functions that Model Relationships			
Arithmetic Sequences	F.BF.2		
Geometric Sequences	F.BF.2		F.BF.2
Building Functions from Other Functions			
Transformations of Functions	F.BF.3		F.BF.3
Finding Inverses of Functions	F.BF.4a		F.BF.4a
Comparing Linear, Quadratic, and Exponential Models			
Distinguishing Between Linear and Exponential Models	F.LE.1		
Constructing Linear and Exponential Functions	F.LE.2		F.LE.2
Comparing Graphs of Polynomial and Exponential Functions	F.LE.3		
Relating Exponential and Logarithmic Functions			F.LE.4
Interpreting Parameters in Linear and Exponential Functions	F.LE.5		F.LE.5
Trigonometric Functions and Unit Circles			
Understanding Radian Measure			F.TF.1
Relating the Unit Circle to Trigonometric Functions			F.TF.2
Trigonometric Functions, Equations, and Identities			
Trigonometric Functions			F.IF.7e
Choosing Trigonometric Functions to Model Periodic Phenomena			F.TF.5
Proving and Using the Pythagorean Identity			F.TF.8
Geometry			
Angles and Polygons			
Definitions of Line Segment, Parallel Lines, and Perpendicular Lines		G.CO.1	
Definition of Angles		G.CO.1	
Angles and Polygons			
Angle Relationships		G.CO.9	
Constructions		G.CO.12, G.CO.13	



	<i>Reveal ALGEBRA 1</i>	<i>Reveal GEOMETRY</i>	<i>Reveal ALGEBRA 2</i>
Measurement			
Circumferences of Circles		G.GMD.1	
Arc Lengths		G.C.5	
Areas of Circles		G.GMD.1	
Areas of Sectors		G.C.5	
Areas of Polygons		G.GMD.1	
Volumes of Prisms		G.GMD.1, G.GMD.2, G.GMD.3	
Volumes of Cones, Cylinders, Spheres		G.GMD.1, G.GMD.2, G.GMD.3	
Volumes of Pyramids		G.GMD.1, G.GMD.2, G.GMD.3	
Cross Sections		G.GMD.4	
Solids of Rotation		G.GMD.4	
The Pythagorean Theorem			
Proving and Using the Pythagorean Theorem		G.SRT.4	
Deriving the Equation of a Circle		G.GPE.1	
Solving Right Triangles		G.SRT.8	
Congruence and Similarity			
Congruence Transformations		G.CO.3, G.CO.4, G. CO.5	
Congruent Angles		G.CO.9, G.CO.10, G.CO.11	
Congruent Figures		G.CO.6, G.CO.7, G. CO.8	
Scale Drawings		G.SRT.2	
Congruence and Similarity			
Similarity Transformations		G.SRT.1, G.SRT.2, G.SRT.3	
Similar Polygons		G.SRT.4, G.SRT.5	
Similar Circles		G.C.1	

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	<i>Reveal ALGEBRA 1</i>	<i>Reveal GEOMETRY</i>	<i>Reveal ALGEBRA 2</i>
Analytic Geometry			
Finding Lengths		G.GPE.4, G.GPE.6, G.GPE.7	
Transformations		G.CO.2	
Centers and Radii of Circles		G.GPE.1	
Equations of Parabolas		G.GPE.2	
Using the Slope Criteria to Solve Problems		G.GPE.5	
Trigonometric Ratios			
Definitions of Trigonometric Ratios		G.SRT.6	
Sines and Cosines of Complementary Angles		G.SRT.7	
Solving Right Triangles		G.SRT.8	
Deriving the Trigonometric Formula for Areas of Triangles		G.SRT.9	
Proving the Laws of Sines and Cosines		G.SRT.10	
Applying the Laws of Sines and Cosines		G.SRT.11	
Circles			
Definition of Circles		G.CO.1	
Relationships Among Parts of Circles		G.C.2	
Inscribed and Circumscribed Circles		G.C.3	
Constructing Tangent Lines to Circles		G.C.4	
Geometric Modeling			
Describing Real-World Objects		G.MG.1	
Density		G.MG.2	
Solving Design Problems		G.MG.3	
Statistics and Probability			
Statistics: Univariate Data			
Statistical Studies and Questions			S.IC.3
Distributions	S.ID.3		
Measures of Center	S.ID.3		



	<i>Reveal ALGEBRA 1</i>	<i>Reveal GEOMETRY</i>	<i>Reveal ALGEBRA 2</i>
Statistics: Univariate Data			
Measures of Variation	S.ID.3		
Dot Plots, Histograms, Box Plots	S.ID.1		
Statistical Inference			S.IC.1
Comparing Distributions	S.ID.2		
Normal Distributions			S.ID.4
Population Means and Proportions			S.IC.4
Margins of Error			S.IC.4
Evaluating Published Data			S.IC.6
Statistics: Bivariate Data			
Scatter Plots and Associations	S.ID.6		
Fitting a Line or Curve to Data	S.ID.6		
Interpreting the Slope and Intercept	S.ID.7		
Correlation Coefficients	S.ID.8		
Correlation and Causation	S.ID.9		
Two-Way Frequency Tables	S.ID.5	S.CP.4	
Probability			
Representing Sample Spaces		S.CP.1	
Probabilities of Compound Events		S.CP.2, S.CP.7, S.CP.8	
Conditional Probabilities		S.CP.3, S.CP.5, S.CP.6	
Probabilities in Two-Way Frequency Tables		S.CP.4	
Using Permutations and Combinations		S.CP.9	
Using Simulations			S.IC.2, S.IC.5
Using Probability			
To Make Fair Decisions		S.MD.6	S.MD.6
To Analyze Decisions and Strategies		S.MD.7	S.MD.7

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