Algebraic Expressions (translating)	**Algebraic Expressions (evaluating)**	**Algebraic Expressions (simplifying)**
Translating Expressions (only constants)	Evaluating Expressions	Combining Like Terms
Translating Expressions (only constants)	Evaluating Expressions	Combining Like Terms (distributing)
Translating Expressions (only constants)	Evaluating Expressions	Combining Like Terms (distributing)
Translating Expressions	Evaluating Expression Intuition	Combining Like Terms (distributing)
Translating Expressions		Combining Like Terms (fractions)
Writing Expressions		Equivalent Expressions
Writing Expressions		Equivalent Expressions
Writing Expressions (applications)		
Writing Expressions (applications)		**Algebra Tiles**
Writing Expressions (applications)		Algebra Tiles Resource
Translating and Solving Equations (basic)		
Translating Equations (basic)		
Translating and Solving Equations (basic)		
Solving Multi-Step Equations (linear)	**Solving Literal Equations**	**Solving Inequalities (one variable)**
Solving Equations (basic)	Solving Literal Equations	Solving inequalities (testing solutions)
Solving Equations (number of solutions)	Solving Literal Equations	Solving inequalities (graphing on number line)
Solving Equations (number of solutions)	Solving Literal Equations	Solving inequalities (application)
Solving Equations (multi-step)	Solving Literal Equations	Solving inequalities (basic)
Solving Equations (multi-step)		Solving inequalities
Solving Equations (multi-step)		Solving inequalities (application)
Solving Equations (multi-step)		Solving inequalities (multi-step)
Solving Equations (basic application)		
Solving Equations (review)		Geogebra Inequalities
Solving Equations with Tiles (interactive)		
Solving Equations with Tiles (interactive)		
Solving Equations with Tiles (interactive)		

Graphing & Functions
Evaluating functions (from equation)
Evaluating functions (from graph)
Evaluating multiple functions (challenge)
Function input/output (from equation)
Function input/output (from graph)
Function notation (applications)
Domain & Range (from graph)
Identifying domain values (given equation)
Determine domain (given equation)
Domain & Range (applications)
Function Definition (given graph)
Function Definition (given table)
Positive and negative intervals
Increasing and decreasing intervals
Graphing applications

Intercepts
Intercepts (from graph)
Intercepts (from equation)
Intercepts (from table)

Functions (Interactive)
Domain & Range 1 (Geogebra sliders)
Domain & Range 2 (Geogebra sliders)

Graphing Linear Equations & Slope
Graphing (from equation)
Graphing (from equation)
Intercepts (from graph)
Intercepts (from equation)
Intercepts (from table)
Horizontal and vertical lines
Solutions (from equation)
Solutions (completing from equation)
Slope from a graph
Slope from two points
Slope from an equation

Writing Equations of Lines
Equation of a line (given graph)
Equation of a line (given two points)
Horizontal and Vertical Lines
Slope-intercept form (basics)
Point-slope form
Linear equations in any form

Parallel & Perpendicular Lines
Determining from equation
Equations of parallel & perpendicular lines

Geogebra Exploration
Perpendicular Lines
Parallel & Perpendicular Lines
Perpendicular Lines

Desmos Exploration
Parallel Lines
Perpendicular Lines

Scatterplot Review
Constructing scatter plots
Constructing scatter plots

Line of Best Fit
Determining equation and making predictions
Interpreting slope and y-intercept
Line of best fit (review problems and notes)
Correlation logic
Describing trends
Correlation (review problems and notes)

Direct Variation & Inverse Variation	**Systems of Equations **Topic Link****	**Graphing Linear Inequalities**
Solving proportions (cross multiply)	Number of solutions (review notes)	Graphing linear inequalities (review notes)
Writing proportions (direct variation) application	Number of solutions (graphically)	Testing solutions (algebraic)
Direct variation application	Number of solutions (algebraically)	Testing solutions (graphical)
Direct and Inverse variation application	Testing solutions	Graphs of linear inequalities
Identify direct or inverse variation (equation)	Determining solutions (graphically)	Writing linear inequalities (from graph)
Direct and inverse variation equations	Equivalent systems	Linear inequalities (applications)
Determine direct or inverse variation	Determining solutions (substitution)	
Geogebra: Direct Variation Application	Determining solutions (mixed)	**Graphing Systems of Linear Inequalities**
	Systems applications	Testing solutions (algebraic)
	Systems applications	Graphs of systems of linear inequalities
	Systems applications (age)	Systems of linear inequalities (applications)
	Determining solutions (elimination)	
	Determining solutions (elimination)	
	Equivalent systems (elimination)	
	Equivalent systems (elimination, review notes)	
Prime Factorization	**Simplifying Radicals**	**Properties of Exponents**
Practice	Review Notes/Example	Exponents (basic)
	Simplifying square roots (constants)	Exponents (basic)
Number Sense	Simplifying square roots and cube roots (constants)	Exponents (evaluating)
Greatest Common Factor (GCF) practice	Simplifying square roots (variables)	Properties (review notes)
Least Common Multiple (LCM) practice	Square root expressions	Multiply Powers
LCM and GCF Applications practice	Simplifying radicals (mixed review)	Powers of Powers
		Divide Powers
	Radical Operations	Powers of Products and Quotients
	Simplifying square roots and cube roots (variables)	Multiply and Divide Powers
	Square Roots, Multiplying	Products and Quotients
		Properties of Exponents
		Negative Exponents
		Negative Exponents (review notes)

Polynomials - Addition & Subtraction	**Polynomials - Multiplication (Review Notes)**	**Polynomials - Multiplication**
Review Notes Adding polynomials Subtracting polynomials Adding and Subtracting polynomials Adding and Subtracting polynomials (find the mistake) Adding and Subtracting polynomials (two variables) Adding and Subtracting polynomials **Polynomial Division** Polynomial Division by Monomial 1 Polynomial Division by Monomial 2 Polynomial Division by Monomial 3 (BY MONOMIAL, QUESTIONS 1-10 ONLY)	Monomials Monomials Binomials Polynomials **Algebra Tiles** Algebra Tiles applet 1 Algebra Tiles applet 2	Multiplying polynomials (monomials) Multiplying polynomials (challenge) Multiplying polynomials (monomial by polynomial) Multiplying polynomials (monomial by polynomial area model) Multiplying polynomials (monomial by polynomial challenge) Multiplying polynomials (binomials) Multiplying polynomials (binomials) Multiplying polynomials (binomials) Multiplying polynomials (binomial area model) Multiplying polynomials Multiplying polynomials Multiplying polynomials Multiplying polynomials
Factoring with GCF GCF of Monomials (review notes) GCF of Monomials Factoring with GCF Factoring with GCF Factoring with GCF **Factoring** Factoring polynomials (review notes) Factoring polynomials Factoring polynomials Factoring difference of squares (review notes and exercises) Factoring difference of squares Factoring difference of squares	**Factoring** Factoring perfect squares (review notes and exercises) Factoring perfect squares Factoring perfect squares challenge Factoring by grouping (review notes and exercises) Factoring by grouping (review notes and exercises) Factoring by grouping Factoring review (all)	**Factoring Challenges** Factoring challenge Factoring challenge Factoring challenge Factoring challenge

Solving Quadratic Equations (Factoring)	Graphing Quadratic Equations	Curve of Best Fit (Quadratic)
[Solving Quadratic Equations by Factoring (review notes)](#) [Solving Quadratic Equations by Factoring](#) [Solving Quadratic Equations by Factoring](#) [Solving Quadratic Equations by Factoring (review notes)](#) [Solving Quadratic Equations by the Quadratic Formula (review notes)](#) [Solving Quadratic Equations by the Quadratic Formula](#) [Solving Quadratic Equations by the Quadratic Formula (review notes)](#)	[Vocabulary and Basics](#) [Graphing in Factored Form](#) [Graphing in Factored Form](#) [Graphing in Standard Form](#) [Graphing in Vertex Form](#) [Graphing in Vertex Form](#) [Graphing Quadratics Application](#) [Graphing Quadratics Application](#) [Graphing Quadratics Application](#)	