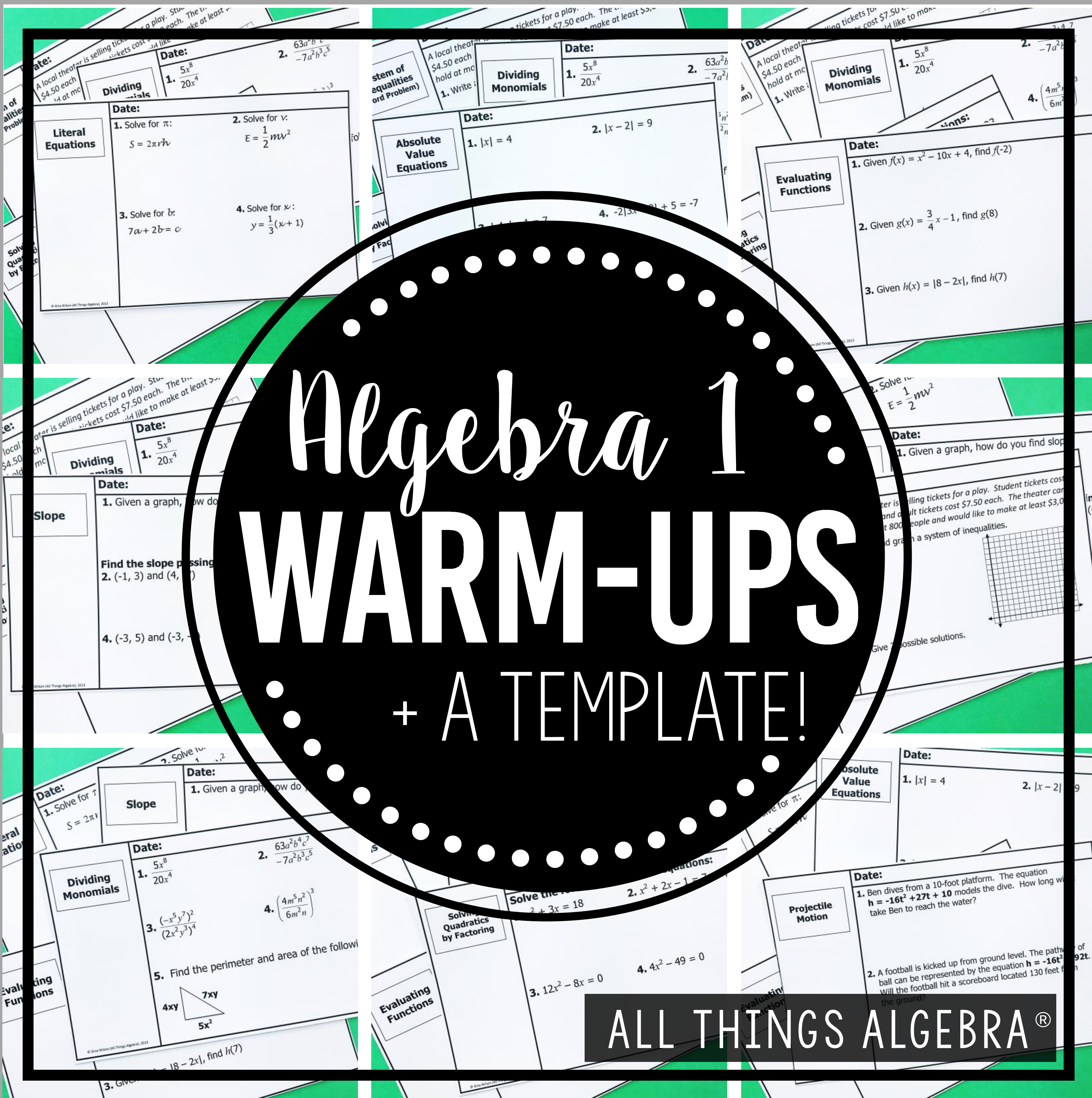

Algebra 1
WARM-UPS
+ A TEMPLATE!
ALL THINGS ALGEBRA®

ALGEBRA I WARM-UPS Topic Listing

Unit 1:
- The Real Number System
- Properties (Review)
- Reflexive, Symmetric, and Transitive Properties
- Closure Property
- Order of Operations
- Evaluating Expressions
- Matrices
- Combining Like Terms
- Distributive Property
- Simplifying Expressions
- Translating Expressions, Equations, and Inequalities
- One and Two-Step Equations
- Solving and Graphing Two-Step Inequalities

Unit 2:
- Multi-Step Equations
- Variables on Both Sides
- No Solution & Infinite Solution
- Proportions
- Absolute Value Review
- Absolute Value Equations
- Literal Equations
- Equation Word Problems
- Multi-Step Inequalities
- Compound Inequalities
- Absolute Value Inequalities

Unit 3:
- Domain & Range
- Functions vs. Relations
- Real World Graphs
- Equations as Functions
- Function Notation & Evaluating Functions
- Zeros of Functions
- Arithmetic Sequences

Unit 4a:
- Slope
- Standard Form vs. Slope-Intercept Form
- Graphing by Slope-Intercept Form
- X- and Y-Intercepts
- Vertical & Horizontal Lines
- Writing Equations given Point & Slope
- Writing Equations given Two Points
- Parallel & Perpendicular Lines
- Writing Equations of Parallel & Perpendicular Lines (Point-Slope)
- Linear Equation Word Problems
- Linear Regression

Unit 4b:
- Direct Variation
- Inverse Variation
- Direct vs. Inverse Variation
- Direct and Inverse Variation Word Problems

Unit 5:
- Solving Systems by Graphing
- Solving Systems by Substitution
- Solving Systems by Elimination
- Elimination requiring Multiplication
- Systems of Equations Word Problems
- Solving Systems with Matrices on the Calculator
- Linear Inequalities
- Systems of Linear Inequalities
- Systems of Inequalities Word Problems

Unit 6:
- Add, Subtract, and Multiply Monomials
- Power Rule
- Quotient Rule
- Geometric Applications with Exponent Rules
- Negative Exponents
- Scientific Notation
- Graphing Exponential Functions
- Exponential Growth & Decay
- Geometric Sequences
- Square & Cube Roots
- Monomial Square Roots

Unit 7:
- Adding & Subtracting Polynomials
- Monomial x Polynomial
- Multiplying Binomials and Trinomials
- Dividing Polynomials by a Monomial
- Factoring a GCF
- Factoring Difference of Squares
- Factoring Trinomials ($x^2 + bx + c$)
- Factoring Trinomials ($ax^2 + bx + c$)
- Factoring by Grouping
- Mixed Factoring
- Dividing Polynomials by a Binomial

Unit 8:
- Axis of Symmetry & Vertex of Quadratic Equations
- Graphing Quadratic Equations in Standard Form
- Vertex Form & Transformations of Quadratic Equations
- Quadratic Roots/Discriminant
- Solving Quadratics by Factoring
- Solving Quadratics by Square Roots
- Solving Quadratics by Completing the Square
- The Quadratic Formula
- Solving Quadratics Review/ Choosing the Best Method
- Quadratic Equation Word Problems
- Projectile Motion
- Quadratic Regression

Unit 9:
- Identifying Linear, Quadratic, & Exponential Functions (from equations, graphs, and tables)
- Writing Linear, Quadratic & Exponential Functions (from Graphs)
- Writing Linear, Quadratic, & Exponential Functions (from Tables)
- Linear, Quadratic, & Exponential Function Applications
- Linear, Quadratic, & Exponential Regression
- Evaluating Piecewise Functions
- Graphing Piecewise Functions (Linear Only)
- Graphing Piecewise Functions (Linear & Nonlinear)
- Piecewise Function Application
- Step Function Application
- Solving Nonlinear Systems by Graphing
- Solving Nonlinear Systems Algebraically

Unit 10:
- Simplifying Radicals (Square and Cube Roots)
- Simplifying Radicals (with Variables)
- Adding & Subtracting Radicals
- Multiplying Radicals
- Dividing Radicals
- Dividing Radicals Containing a Binomial
- Applications of Radicals
- Solving Radical Equations (Results in a Linear Equation)
- Solving Radical Equations (Results in a Quadratic Equation)

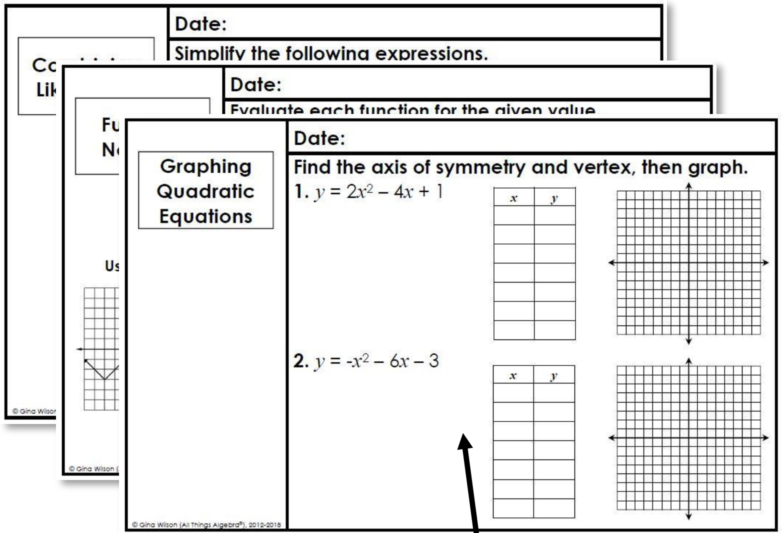
Unit 11:

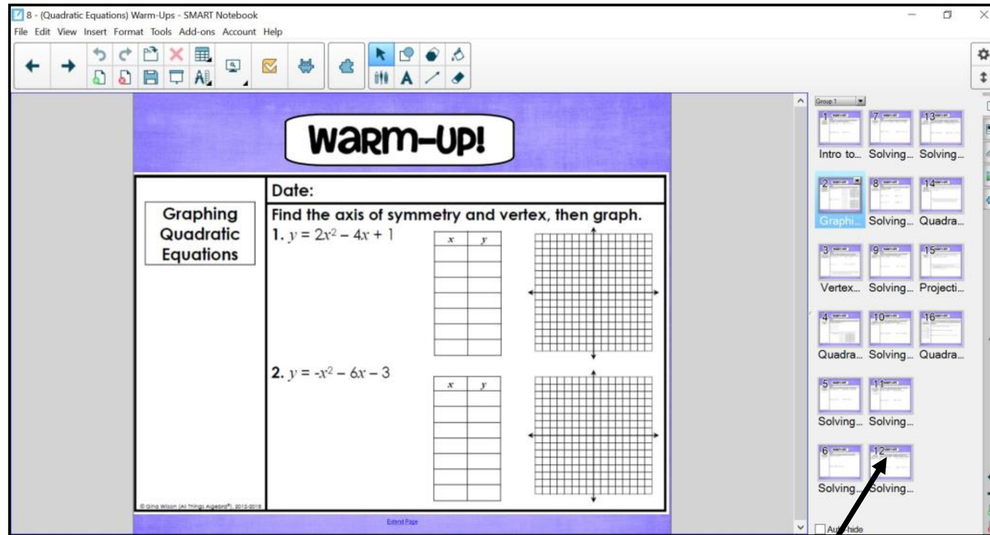
- Simplifying Rational Expressions
- Multiplying Rational Expressions
- Dividing Rational Expressions
- Adding & Subtracting Rational Expressions (Like Bases)
- Adding & Subtracting Rational Expressions (Unlike Bases)
- Rational Expressions Review
- Rational Expression Applications
- Equations Review (Linear and Quadratic)
- Rational Equations

Unit 12:

- Basic Stats Review: Measures of Center and Box-and-Whisker Plots
- Measures of Dispersion: Mean, Variance, Standard Deviation, Mean Absolute Deviation
- Normal Distribution
- Z-Scores

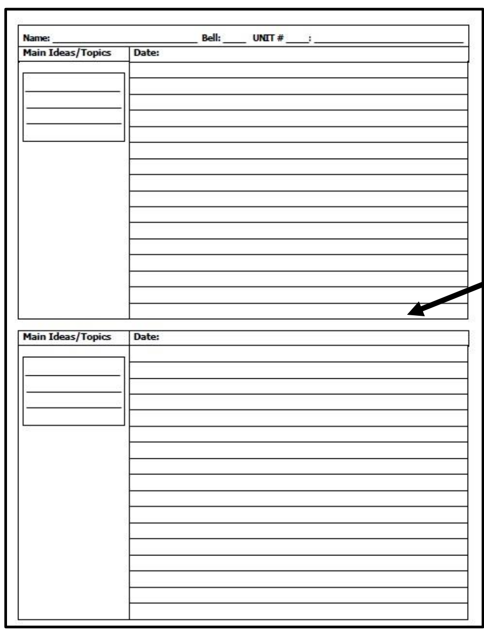
THIS BUNDLE INCLUDES:



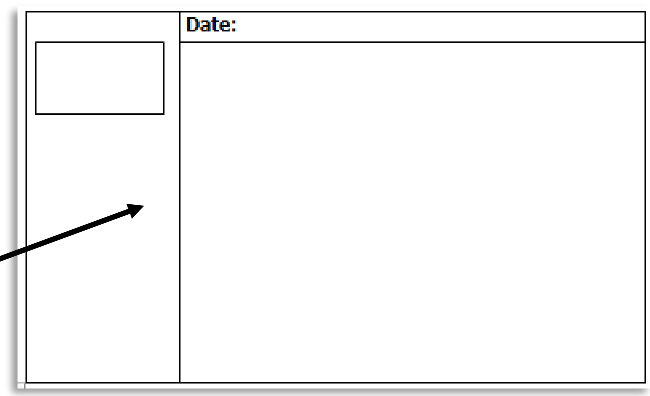


134 Warm-Ups!
(with answer keys)

Smart Board Files with the Warm-Ups snipped in. Just click on the page to choose the warm-up you need!



Student Template
to record the daily warm-ups.



Blank Template
to create your own if needed!