Name:_____ Date:_____
Algebra 1 Band:_____

Unit 3: Solving Inequalities

Big Ideas	Learning Targets	Assessments
Variable Quantities are used to form expressions, equations, and inequalities. An expression refers to a quantity but does not make a statement about it. An equation (of an inequality) is a statement about the quantities in mentions. Using variables in place of numbers in equations (or inequalities) allow the statement of relationships amount numbers that are unknown or unspecified.	1. Write, graph, and identify solutions of inequalities	Classwork Homework Performance Task Quizzes Unit Test
Equivalence A single quantity may be represented by many different expressions. The facts about a quantity may be expressed by many different equations (or inequalities). **Solving Equations & Inequalities** Solving an equation is the process of rewriting the equation to make what it says about its variable(s) as simple as possible. Properties of numbers and equality can be used to transform an equation (or inequality) into equivalent, simpler equations (or inequalities) in order to find solutions. Useful information about equations and inequalities (including solutions) can be found by analyzing graphs or tables. The number and types of solutions vary predictably, based on the type of equation.	2. Use addition or subtraction to solve inequalities. 3. Use multiplication or division to solve inequalities. 4. Solve multi-step inequalities. 5. Solve and graph inequalities containing the word *and.* 6. Solve and graph inequalities containing the word *or*. 7. Solve equations and inequalities using absolute value.	Classwork Homework Performance Task Quizzes Unit Test