

CURRIKI ALGEBRA UNIT 5
Lesson 5.5 Solving Inequalities
Quadratic Functions and Modeling

Vocabulary Page
Teacher Answer Key

Ask students to write the definition and give an example for these math-specific words.

Slope-intercept form	<p>An equation that is in the form $y = mx + b$, where m = the slope and b $(0, b)$ is the y-intercept.</p> <p>Example: $y = -4x + 5$, is an equation in slope intercept form, where the slope is -4 and the y-intercept is $(0, 5)$.</p>
Variable	<p>A symbol for a number we don't know yet. It is usually a letter like x or y.</p> <p>Example: in $x + 2 = 6$, x is the variable. (If it is not a variable, then it is called a constant; 2 and 6 are constants)</p>
Slope	<p>The steepness of a line.</p> <p>Example: A line that has a rise of 1 and a run of 2 has a slope $= 0.5$</p>
Intercept	<p>A point of intersection. The place where a line crosses the x-axis is the x-intercept; the place where a line crosses the y-axis is the y-intercept.</p>
Maxima	<p>The highest point of a function; the point of a quadratic function where the slope $= 0$ for a parabola opening downward.</p>
Minima	<p>The lowest point of a function; the point of a quadratic function where the slope $= 0$ for a parabola opening upwards.</p>