Vocabulary: Quadratic Inequalities



**Vocabulary**

**(3, –1)**

* Boundary – a line or curve separating one part of a plane from another.
* The boundary in the graph to the right is the parabola with the equation *y* = 2*x*2.
* Inequality – a statement that compares two quantities or expressions that are not equal.
* For example, 8 > 2, and also 5 < 2 • 3.
* An inequality contains one of these signs: < (less than), ≤ (less than or equal to), > (greater than), or ≥ (greater than or equal to).
* Solution – a value that makes an equation or inequality true.
	+ For example, one solution of the inequality *y* ≤ 2*x*2 whose graph is shown above is (3, –1) because –1 ≤ 2(3)2 is true.