



Vocabulary: Quadratic Inequalities



Vocabulary

- **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 $y = 2x^2$.
- **Inequality** – a statement that compares two quantities or expressions that are not equal.
 - For example, $8 > 2$, and also $5 < 2 \cdot 3$.
 - An inequality contains one of these signs: $<$ (less than), \leq (less than or equal to), $>$ (greater than), or \geq (greater than or equal to).
- **Solution** – a value that makes an equation or inequality true.
 - For example, one solution of the inequality $y \leq 2x^2$ whose graph is shown above is $(3, -1)$ because $-1 \leq 2(3)^2$ is true.

