

## **Section 4.5**

# **Inequalities Involving Quadratic Functions**

# OBJECTIVE 1

- ✓ **Solve Inequalities Involving a Quadratic Function**

**EXAMPLE****Solving an Inequality**

Solve the inequality  $2x^2 - 5x + 2 > 0$

and graph the solution set.

**EXAMPLE****Solving an Inequality**

Solve the inequality  $-2x^2 \leq 4x + 5$  and graph the solution set.