

$$x^2 - 9 = 0$$

## Chapter 11

Solving quadratic equations and inequalities is a bit more tricky than solving basic equations and inequalities. Chapter 11 helps you recognize quadratic equations in the various forms in which they can appear and helps you decide on the best way to tackle them. This chapter will also help you solve quadratic inequalities.

# Solving Quadratic Equations and Inequalities

### *In this Chapter...*

- Solve Quadratic Equations by Factoring
- Solve Quadratic Equations Using Square Roots
- Solve Quadratic Equations by Completing the Square
- Solve Quadratic Equations Using the Quadratic Formula
- Solve Cubic and Higher Equations
- Solve Quadratic Inequalities
- Test Your Skills