Quadratic Equations and Functions

TEVAC	A.2.A	10.1	Graph $y = ax^2 + c$
TEXAS	A.9.D	10.2	$Graph y = ax^2 + bx + c$
	A.10.A	10.3	Solve Quadratic Equations by Graphing
Section Co.	A.10.A	10.4	Use Square Roots to Solve Quadratic Equations
	A.10.A	10.5	Solve Quadratic Equations by Completing the Square
	2A.8.B	10.6	Solve Quadratic Equations by the Quadratic Formula
	2A.8.B	10.7	Interpret the Discriminant
	A.1.B	10.8	Compare Linear, Exponential, and Quadratic Models

Before

In previous chapters, you learned the following skills, which you'll use in Chapter 10: reflecting points in a line and finding square roots.

Prerequisite Skills

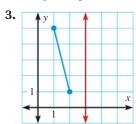
VOCABULARY CHECK

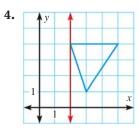
Copy and complete the statement.

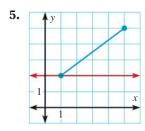
- 1. The x-coordinate of a point where a graph crosses the x-axis is a(n) ?...
- **2.** A(n) $\underline{?}$ is a function of the form $y = a \cdot b^x$ where $a \neq 0$, b > 0, and $b \neq 1$.

SKILLS CHECK

Draw the blue figure. Then draw its image after a reflection in the red line. (Review p. 922 for 10.1-10.3.)







Evaluate the expression. (Review p. 110 for 10.4–10.6.)

6.
$$\sqrt{81}$$

7.
$$-\sqrt{25}$$

8.
$$\sqrt{1}$$

9.
$$\pm \sqrt{64}$$

TEXAS @HomeTutor Prerequisite skills practice at classzone.com