Equations and Inequalities

TEVAC	a.1
TEXAS'	2A.2.A
	2A.2.A
	a.4
	a.5
	a.2
	2A.2.A

- 1.1 Apply Properties of Real Numbers
- 1.2 Evaluate and Simplify Algebraic Expressions
- 1.3 Solve Linear Equations
- 1.4 Rewrite Formulas and Equations
- 1.5 Use Problem Solving Strategies and Models
- 1.6 Solve Linear Inequalities
- 1.7 Solve Absolute Value Equations and Inequalities

Before

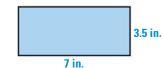
In previous courses, you learned the following skills, which you'll use in Chapter 1: simplifying numerical expressions, using formulas, and writing algebraic expressions.

Prerequisite Skills

VOCABULARY CHECK

Copy and complete the statement.

- 1. The area of the rectangle is _?_.
- 2. The **perimeter** of the rectangle is <u>?</u>.
- **3.** The **opposite** of any number a is ?.



SKILLS CHECK

Perform the indicated operation. (Review p. 975 for 1.1, 1.2.)

- **4.** 5 (-3)
- 5. 3 + (-4)
- **6.** $-28 \div (-7)$
- 7. 8 (-15)

Find the area of the figure. (Review pp. 991-992 for 1.4.)

- 8. A square with side length 7 ft
- 9. A circle with radius 3 m

Write an expression to answer the question. (Review p. 984 for 1.5.)

- **10.** How much is a 15% tip on a restaurant bill of *x* dollars?
- 11. You have \$15 and buy r raffle tickets for \$.50 each. How much money do you have left?

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