

1 Equations and Inequalities

TEXAS

a.1

1.1 Apply Properties of Real Numbers

2A.2.A

1.2 Evaluate and Simplify Algebraic Expressions

2A.2.A

1.3 Solve Linear Equations

a.4

1.4 Rewrite Formulas and Equations

a.5

1.5 Use Problem Solving Strategies and Models

a.2

1.6 Solve Linear Inequalities

2A.2.A

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 $\underline{\quad ? \quad}$.
2. The **perimeter** of the rectangle is $\underline{\quad ? \quad}$.
3. The **opposite** of any number a is $\underline{\quad ? \quad}$.



SKILLS CHECK

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

4. $5 \cdot (-3)$
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?



TEXAS

@HomeTutor

Prerequisite skills practice at classzone.com