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 ___.
3. The **opposite** of any number $a$ is ___.

**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?