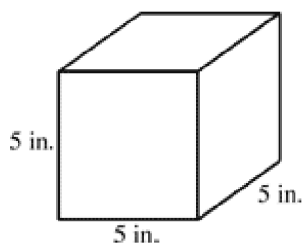


**Mastery Test #1 Review #2**

Write the phrase as an expression. Let  $x$  represent the number.

- 1** A number is decreased by 16
- 2** The size of Alexandra Barkauska's garden is 16 square feet more than the size of Tyler Janssen's garden. Write an expression for the size of Alexandra's garden.
- 3** Use the formula  $V = s^3$  to find the volume of the cube with side length  $s$ .



Evaluate the expression.

- 4**  $3(5 + 3) + 9$
- 5**  $4[17 - (6 + 3)]$

Find the sum.

- 6**  $-6 + (-13)$
- 7**  $8 + (-19)$

Find the difference.

- 8**  $19 - 22$

Find the product.

**9**  $-4(-40)$

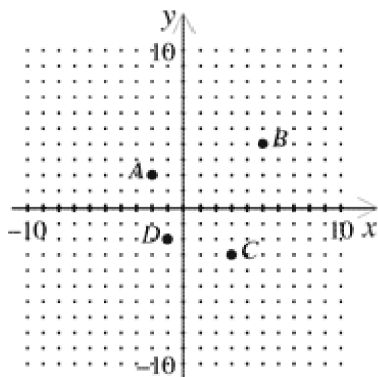
**10**  $-8(4)(-1)$

Find the quotient.

**11**  $-180 \div (-2)$

- 12** You are playing a board game. All even numbers are positive, and all odd numbers are negative. A positive number indicates forward movement, and a negative number indicates backward movement. During your last 10 turns, you have gone back 90 spaces. If you spun the same number each time, which number did you spin?

- 13** Write the coordinates of the points  $A$ ,  $B$ ,  $C$ , and  $D$ .



**Mastery Test #1 Review #2**  
**Answer Section**

- 1**  $x - 16$
- 2**  $x + 16$
- 3** 125 cubic inches
- 4** 33
- 5** 32
- 6** -19
- 7** -11
- 8** -3
- 9** 160
- 10** -32
- 11** 90
- 12** -9
- 13**  $(-2, 2), (5, 4), (3, -3), (-1, -2)$