Date ____

Name _____
Practice A

LESSON

For use with pages 125-129

Tell whether the given value of the variable is a solution of the equation.

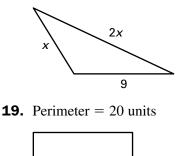
1. 5 + x + 3 = 14; x = 7 **2.** 4x + 9x + 1 = 27; x = 2 **3.** 4(x + 7) = 16; x = -3**4.** 18 - 2(x - 3) = 26; x = 1

Solve the equation. Check your solution.

5. 3x + 8 + x = 28**6.** 9x + 7 - 2x = 14**7.** 17 + 3x - 11 = 0**8.** 12x - 1 - 10x = 23**9.** 3(6 - x) = 27**10.** -2(x + 7) = 16**11.** -40 = 4(x - 10)**12.** 20 = -5(x + 7)**13.** -6(2x + 3) = 42**14.** 2(11 - 4x) = 38**15.** 14x - 6 - 11x = 21**16.** 8 + 5x - 6 = 37

Find the value of x for the given triangle, rectangle, or square.

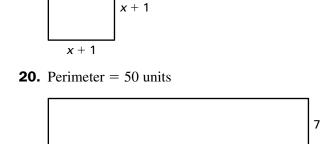
17. Perimeter = 30 units



2*x*

4

Lesson 3.2



18. Perimeter = 24 units



- **21.** The perimeter of a rectangular picture frame is 30 inches. The length of the frame is three less than twice the width. What are the dimensions of the frame?
- **22.** You spend \$91 shopping for new clothes. You spend \$24 for a pair of jeans and \$35 for a pair of shoes. You also buy 4 shirts that each cost *d* dollars. How much is each shirt?
- **23.** You spend \$55 shopping for birthday gifts. You buy one of your friends a gift certificate for \$15, and your other friend a pair of shorts for \$16. You also buy your older brother 2 compact discs that each cost *d* dollars. How much is each compact disc?