

3.2

Practice C

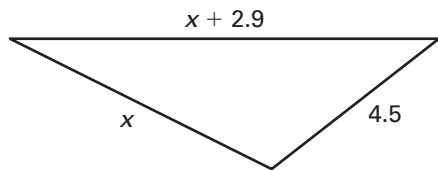
For use with pages 125–129

Solve the equation. Check your solution.

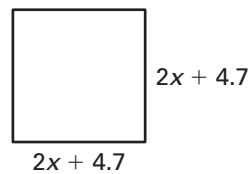
1. $-7x - (13 - x) = 11$ 2. $119 = 35 + 4(6 - x)$ 3. $-26 - (7x + 8) = -55$
 4. $-10x - 7(5 - 2x) = -71$ 5. $18x + 6(4 - x) = 72$ 6. $-2 = 11 + 3(3x - 5) - 7x$
 7. $6 + 0.5(x - 2) = 9$ 8. $23 = 6 + 0.25(8 - 12x)$ 9. $6x + 3.5(x - 14) = 8$
 10. $32 = 16 + 0.4(20 - 10x)$ 11. $19 - 0.25(x + 8) - x = 2$ 12. $2.4(x + 15) + 7.3 = 67.3$

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

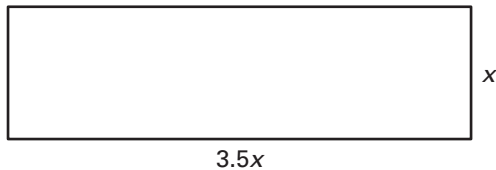
13. Perimeter = 19.8 units



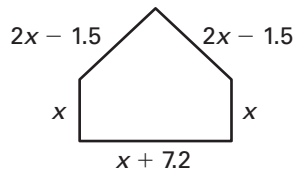
14. Perimeter = 66.8 units



15. Perimeter = 108 units



16. Perimeter = 38.5 units



17. Kevin, Mika, and Cheryl have a total of 45 people sponsoring them for a fund-raiser. Kevin has p people sponsoring him, Mika has 1 more than Kevin, and Cheryl has 1 more than Mika. Write and solve an equation to find the number of people sponsoring each person.
18. You spend \$100.39 shopping for new clothes. You spend \$28.90 for a pair of jeans and \$49.99 for a pair of sneakers. You also buy 2 shirts that each cost d dollars. How much is each shirt?
19. Consecutive integers are 1, 2, 3, 4, and so on. Consecutive even integers are 2, 4, 6, 8, and so on. The sum of an even integer and twice the next consecutive even integer is 178. Write and solve an equation to find the two integers. Let $2x$ represent the first even integer.
20. Consecutive odd integers are 1, 3, 5, 7, and so on. The sum of two consecutive odd integers is 104. Write and solve an equation to find the two integers. Let $2x - 1$ represent the first odd integer.