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Le

7.

19.

22.

Les

4.

Wri

16.

17.

18.

19.

Gra

3. 1

9. V

12. 1

Make

x to

15. T

16. T

17. T

Write each phrase as an algebraic expression.

- 1. six less than *p*
- 4. Juana's age plus 6
- 7. 3 divided into y
- **10**. twenty-six less *q*
- **13.** thirty-five increased by *a*
- 16. twice as many lemons
- **2.** twenty more than *c*
- 5. *x* increased by twelve
- 8. the product of 7 and m
- 11. 19 decreased by z
- 14. four hundred divided into n 15. Joe's height minus nineteen
- 17. eight more than *x*

- 3. the quotient of a and b
- 6. \$1,000 divided by *z*
- 9. the difference of f and 9
- 12. two less than *x*
- **18.** the product of m and n

Write each sentence as an algebraic equation.

- 19. Three times a number less four is 17.
- 21. Twenty more than twice a number is -30.
- 23. Four plus three times a number is 18.
- 25. Eight times a number plus twelve is 36.
- 27. 42 more than five times a number is 156.
- **29.** The quotient of a number and -4 is -324.
- 20. The sum of a number and 6 is 5.
- 22. The quotient of a number and -2 is -42.
- 24. Five times a number minus 15 is 92.
- 26. The difference of a number and 24 is -30.
- 28. Thirteen and a number is 62.
- **30**. The sum of a number and eleven is 41.

Lesson 4-2

Solve each equation. Check your solution.

1.
$$r - 3 = 14$$

4.
$$7 + a = -10$$

7.
$$s - 2 = -6$$

10.
$$a - 7 = 23$$

13.
$$k - 9 = -3$$

16.
$$s + 1.3 = 18$$

19.
$$p + 3.1 = 18$$

22.
$$m - 4.8 = 7.4$$

25.
$$0.013 + h = 4.0$$

28.
$$v - 18 = 13.7$$

2.
$$t + 3 = 21$$

5.
$$14 + m = 24$$

8.
$$6 + f = 71$$

11.
$$-4 + b = -5$$

14.
$$j + 12 = 11$$

17.
$$t + 3.43 = 7.4$$

20.
$$q - 2.17 = 21$$

23.
$$x - 1.3 = 12$$

26.
$$7.2 + g = 9.1$$

29.
$$w - 0.1 = 0.32$$

3. s + 10 = 23

6.
$$-9 + n = 13$$

9.
$$x + 27 = 30$$

12.
$$w + 18 = -4$$

15.
$$-42 + v = -42$$

18.
$$x + 7.4 = 23.5$$

21.
$$w - 3.7 = 4.63$$

24.
$$y + 3.4 = 18$$

27.
$$z - 12.1 = 14$$

30.
$$r + 6.7 = 1.2$$

Lesson 4-3

Solve each equation. Check your solution.

1.
$$2m = 18$$

4.
$$-20r = 20$$

7.
$$-14 = -2p$$

10.
$$100 = 20b$$

13.
$$0.5m = 3.5$$

16.
$$1.86 = 6.2z$$

19.
$$1.67t = 10.02$$

22.
$$4.08 = 1.2y$$

25.
$$59.66 = 3.14m$$

2.
$$-42 = 6n$$

5.
$$420 = 5s$$

8.
$$18q = 36$$

11.
$$416 = 4c$$

14.
$$1.8 = 0.6x$$

14.
$$1.0 - 0.0x$$

17.
$$-8x = 24$$

20.
$$243 = 27a$$

23.
$$8d = 112$$

26.
$$98.4 = 8p$$

3.
$$72 = 8k$$

6.
$$325 = 25t$$

9.
$$40 = 10a$$

12.
$$45 = 9d$$

15.
$$0.4y = 2$$

18.
$$8.34 = 2r$$

21.
$$0.9x = 4.5$$

24.
$$5f = 180.5$$

27.
$$208 = 26k$$