

Practice B

For use with pages 102-107

Perform the indicated operation.

1. $-7.06 + 5.22$ 2. $-8.17 + (-12.91)$ 3. $13.07 - 20.01$
 4. $-6.47 - 10.16$ 5. $-15.23 - (-9.57)$ 6. $-4.34 - 11.59$
 7. $-16.04(-5.25)$ 8. $-21.9(14.8)$ 9. $18.05(-3.12)$
 10. $42.125 \div (-6.74)$ 11. $-96.38 \div (-12.2)$ 12. $-42.822 \div 14.04$

Solve the equation. Check your solution.

13. $21.3 + r = -19.79$ 14. $13.49 = -8.56 + a$ 15. $-20.57 = m + 3.78$
 16. $v - 17.06 = 29.08$ 17. $-14.88 = d - 34.76$ 18. $-31.45 = p - 12.96$
 19. $30.75b = -73.8$ 20. $70.448 = -25.16f$ 21. $-42.12 = -7.8t$
 22. $-13.25 = \frac{k}{-6}$ 23. $24.36 = \frac{w}{-7.9}$ 24. $\frac{c}{-20.18} = -7.35$

25. You deposit a check for \$236.79 into your savings account. Your account has a balance of \$319.23 after the deposit. Find the balance of your savings account before the deposit.
26. The table shows the daily low temperature in degrees Celsius for a 5-day period.
- Find the sum of the temperatures.
 - Find the average low temperature for the 5-day period.

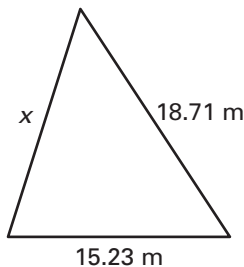
Day	Monday	Tuesday	Wednesday	Thursday	Friday
Temperature (°C)	-5.24	-8.3	-9.47	-9.08	-5.13

Simplify the expression.

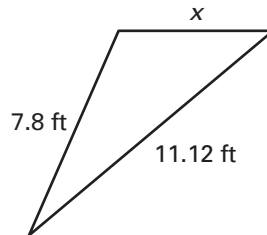
27. $-9.87x - 18.13x$ 28. $27.33x - 39.42x$ 29. $-56.08x + 26.68x$

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

30. Perimeter = 50.35 m



31. Perimeter = 24.31 ft



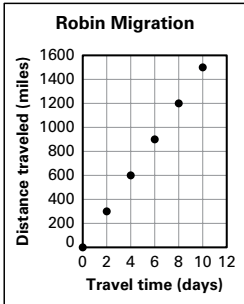
32. Area = 49.65 cm^2

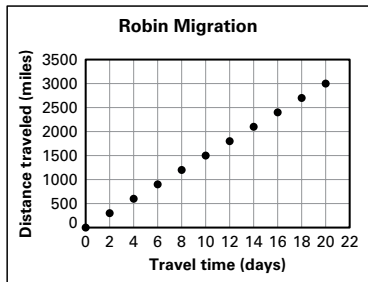


Lesson 2.6 *continued*

b.

Travel time (days)	0	2	4	6	8	10
Distance Traveled (miles)	0	300	600	900	1200	1500

c. ; The points form a line.

d. ; 20 days

e. *Sample answer:* The results are the same.

Review for Mastery

1. 1 2. 4 3. -5 4. -7 5. -12 6. 9
 7. 45 8. 60 9. 56 10. 5 11. -120
 12. 24 13. \$300 14. \$5 per yard

Problem Solving Workshop

- $112 = 4n$; they sold 28 gallons of cider.
- $10(28) = 8g$; the mill produced 35 gallons of cider.
- $\frac{p}{7} = 35$; they picked 245 pounds of apples.
- $\frac{a}{3} = 245$; they picked 735 apples.

Challenge Practice

1. 90 2. -6 3. -32 4. 2 5. 32,400 ft
 6. 12 in. 7. First number: 5; second number: 20; third number: 40

Lesson 2.7

Practice A

1. Operation incorrectly performed:
 $-16.07 - (-30.91) = -16.07 + 30.91 = 14.84$
 2. 17.9 3. -4.4 4. -18.5 5. 7.7 6. -3.8
 7. 1.1 8. -19.6 9. 33.3 10. -1.85
 11. 21.08 12. -29.52 13. 47.43 14. -2.5
 15. -5.7 16. -1.5 17. -2.1 18. -2.9
 19. -2.4 20. 8.3 21. -4.3 22. 16.4
 23. -9.2 24. 0.75 25. 3.1 26. -31.6
 27. 1.02 28. 33.6 29. 5.23 lb 30. \$5.40
 31. 6.2 cm 32. 6.1 ft 33. 8.4 in.

Practice B

1. -1.84 2. -21.08 3. -6.94 4. -16.63
 5. -5.66 6. -15.93 7. 84.21 8. -324.12
 9. -56.316 10. -6.25 11. 7.9 12. -3.05
 13. -41.09 14. 22.05 15. -24.35
 16. 46.14 17. 19.88 18. -18.49 19. -2.4
 20. -2.8 21. 5.4 22. 79.5 23. -192.444
 24. 148.323 25. \$82.44 26. a. -37.22°C
 b. -7.444°C 27. $-28x$ 28. $-12.09x$
 29. $-29.4x$ 30. 16.41 m 31. 5.39 ft
 32. 13.24 cm

Practice C

1. 8.219 2. -19.47 3. -61.2 4. 6.09
 5. -12.86 6. -67.36 7. -8.897 8. 1.742
 9. -31.185 10. 3.45 11. 3.54 12. -7.91
 13. -51.43 14. 5.76 15. 58.9 16. 76.9
 17. 12.26 18. 107.38 19. -3.75 20. -6.04
 21. -4.45 22. 240.537 23. -194.9184
 24. -170.235 25. a. \$1.29 b. \$3.46
 26. $1.4 - 0.52m$ 27. $-36v + 16.38$
 28. $2.36 + 3.2v$ 29. 19.07 cm 30. 9.4 ft
 31. 40.46 in.

Review for Mastery

1. -9.65 2. -3.45 3. -1.85 4. -9.53
 5. 2.25 6. -16.71 7. -31.16 8. -6.48