**1.** What is the value of the expression  $f^2 + 5$  if f =3?

- **3.** Which property is shown by the equation  $14 \cdot y \cdot 1 = 14y?$
- 5. What are the next three terms in the sequence 2.0, 3.5, 5.0, 6.5, ...?
- 7. What is the value of the expression 3(2-7)?

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- **2.** What is the value of 9x 4y if x = 3 and y = 2?
- **4.** What are the next three terms in the sequence 3, 6, 9, 12, ...?

8. Use the distributive property to write an expression that is equivalent to -3(x + 10)?

**9.** What is 7y + 15 - 7y - 8?

- **11.** Factor 25x + 45 using the GCF.
- 13. Subtract (3x + 5) (x + 2).
- 15. Name the property of multiplication that is shown by the equation  $17x \cdot 1 = 17x$ .
- **17.** Name the property that is shown by the equation 5(4 + q) = 5(4) + 5(q).
- **19.** Identify the next three terms in the arithmetic sequence 4.2, 4.8, 5.4, 6.0, ...
- **21.** Add (-7x + 1) + (2x 11).
- **23.** Caroline bought 5 bracelets. Find the total cost of the bracelets if each bracelet cost \$3.10. Justify your answer.

- **10.** Simplify x + 6 3x 8.
- **12.** Add (12x + 5) + (3x 7).
- 14. In the expression 10a + 4, identify the coefficient.
- **16.** Use the Distributive Property to write 6(w + 5)as an equivalent expression.
- **18.** Simplify the expression -3(4x + 5) 2(-5x + 8).
- **20.** Find the GCF of 6*ab*, 3*a*.
- **22.** Subtract (11x 9) (-4x 6).
- **24.** Write the expression 7b 3(b 1) in simplest form.