NAME _____ DATE _____

Module 9 Using Functions
Lesson 2 Evaluating Functions

additional practice

For the set of ordered pairs {(2, –2), (0, 4), (4, 5), (–2, –8), (5, 0)}, name the output associated with the given input.

1. input: 2 output: _____

2. input: 4 output: _____

3. input: –2 output: _____

4. input: 0 output: _____

For the set of ordered pairs {(3, –2), (4, –6), (–6, 0), (0, –1), (1, 3)}, name the input associated with the given output.

5. output: 3 input: _____

6. output: –1 input: _____

7. output: 0 input: _____

8. output: –6 input: _____

Evaluate.

9. $f(0)$ if $f(x) = 2x + 3$ _____

10. $g(2)$ if $g(x) = x - 4$ _____

11. $r(-3)$ if $r(x) = 4 - x$ _____

12. $t(5)$ if $t(x) = x^2 + 3$ _____

13. $f(2)$ if $f(x) = -5$ _____

14. $w(-3)$ if $w(x) = \sqrt{x + 4}$ _____

15. $c(8)$ if $c(x) = |2x - 20|$ _____

16. $h(4)$ if $h(x) = \frac{x}{x - 5}$ _____

Use the graph of $h(x)$ to find each value.

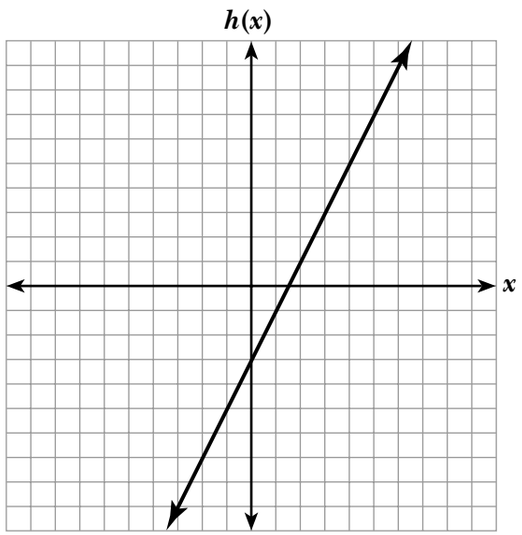
17. $h(-2) =$ _____

18. $h(0) =$ _____

19. $h(1) =$ _____

20. $h(3) =$ _____

21. Use the graph of $h(x)$ to write the equation of the line as a function. _____



Use the graph of $g(x)$ to find each value.

22. $g(-6) =$ _____

23. $g(-2) =$ _____

24. $g(0) =$ _____

25. $g(4) =$ _____

26. Use the graph of $g(x)$ to write the equation of the line as a function. _____