Name: _____

Evaluating Functions A

Evaluate each function.

1. $f(x) = 4x + 1$. If $f(x) = 5$, $x =$ _____
2. $g(x) = 3x^2 - 2$. $g(1) =$ _____
3. $f(x) = 4x - 8$. $f(-3) =$ _____
4. $f(x) = 4x - 6$. If $f(x) = 2$, $x =$ _____
5. $g(x) = 3x^2 + 7$. $g(2) =$ _____
6. $f(x) = 3x + 1$. If $f(x) = -14$, $x =$ _____
7. $f(x) = 3x - 7$. $f(4) =$ _____
8. $f(x) = 2x - 4$. $f(-5) =$ _____
9. $f(x) = x - 1$. $f(3) =$ _____
10. $f(x) = -2x + 5$. $f(-2) =$ _____
11. $g(x) = x^2 - 7$. $g(-5) =$ _____
12. $f(x) = -x + 2$. $f(1) =$ _____
13. $f(x) = 2x - 5$. $f(4) =$ _____
14. $f(x) = 4x$. If $f(x) = 20$, $x =$ _____
15. $g(x) = x^2 + 1$. $g(1) =$ _____
16. $g(x) = x^2 + 2$. $g(5) =$ _____
17. $f(x) = 4x$. If $f(x) = -16$, $x =$ _____
18. $f(x) = -3x + 7$. $f(-3) =$ _____
19. $f(x) = -4x + 9$. $f(5) =$ _____
20. $f(x) = 5x + 5$. If $f(x) = 25$, $x =$ _____

Name: **ANSWER KEY**

Evaluating Functions A

Evaluate each function.

1. $f(x) = 4x + 1$. If $f(x) = 5$, $x =$ 1

2. $g(x) = 3x^2 - 2$. $g(1) =$ 1

3. $f(x) = 4x - 8$. $f(-3) =$ −20

4. $f(x) = 4x - 6$. If $f(x) = 2$, $x =$ 2

5. $g(x) = 3x^2 + 7$. $g(2) =$ 19

6. $f(x) = 3x + 1$. If $f(x) = -14$, $x =$ −5

7. $f(x) = 3x - 7$. $f(4) =$ 5

8. $f(x) = 2x - 4$. $f(-5) =$ −14

9. $f(x) = x - 1$. $f(3) =$ 2

10. $f(x) = -2x + 5$. $f(-2) =$ 9

11. $g(x) = x^2 - 7$. $g(-5) =$ 18

12. $f(x) = -x + 2$. $f(1) =$ 1

13. $f(x) = 2x - 5$. $f(4) =$ 3

14. $f(x) = 4x$. If $f(x) = 20$, $x =$ 5

15. $g(x) = x^2 + 1$. $g(1) =$ 2

16. $g(x) = x^2 + 2$. $g(5) =$ 27

17. $f(x) = 4x$. If $f(x) = -16$, $x =$ −4

18. $f(x) = -3x + 7$. $f(-3) =$ 16

19. $f(x) = -4x + 9$. $f(5) =$ −11

20. $f(x) = 5x + 5$. If $f(x) = 25$, $x =$ 4