Name: _____

Evaluating Functions B

Evaluate each function.

1. $f(x) = 5x + 6$. If $f(x) = -19$, $x =$ _____
2. $g(x) = 2x^2 + 9$. $g(2) =$ _____
3. $f(x) = -x - 6$. $f(1) =$ _____
4. $f(x) = 4x - 3$. If $f(x) = 13$, $x =$ _____
5. $f(x) = 6x - 3$. $f(2) =$ _____
6. $f(x) = -4x + 9$. $f(0) =$ _____
7. $g(x) = 3x^2 + 6$. $g(-5) =$ _____
8. $f(x) = 5x + 5$. If $f(x) = 10$, $x =$ _____
9. $g(x) = x^2 + 0$. $g(0) =$ _____
10. $f(x) = 4x - 5$. If $f(x) = -5$, $x =$ _____
11. $f(x) = -x - 8$. $f(6) =$ _____
12. $g(x) = 2x^2 - 8$. $g(0) =$ _____
13. $g(x) = x^2 - 2$. $g(-4) =$ _____
14. $f(x) = 3x + 7$. $f(2) =$ _____
15. $f(x) = 2x - 3$. If $f(x) = 5$, $x =$ _____
16. $f(x) = -x + 4$. $f(6) =$ _____
17. $f(x) = 4x - 6$. If $f(x) = -6$, $x =$ _____
18. $f(x) = -5x + 5$. $f(1) =$ _____
19. $f(x) = 2x - 4$. $f(2) =$ _____
20. $f(x) = 2x - 4$. If $f(x) = 0$, $x =$ _____

Name: **ANSWER KEY**

Evaluating Functions B

Evaluate each function.

1. $f(x) = 5x + 6$. If $f(x) = -19$, $x =$ **−5**
2. $g(x) = 2x^2 + 9$. $g(2) =$ **17**
3. $f(x) = -x - 6$. $f(1) =$ **−7**
4. $f(x) = 4x - 3$. If $f(x) = 13$, $x =$ **4**
5. $f(x) = 6x - 3$. $f(2) =$ **9**
6. $f(x) = -4x + 9$. $f(0) =$ **9**
7. $g(x) = 3x^2 + 6$. $g(-5) =$ **81**
8. $f(x) = 5x + 5$. If $f(x) = 10$, $x =$ **1**
9. $g(x) = x^2 + 0$. $g(0) =$ **0**
10. $f(x) = 4x - 5$. If $f(x) = -5$, $x =$ **0**
11. $f(x) = -x - 8$. $f(6) =$ **−14**
12. $g(x) = 2x^2 - 8$. $g(0) =$ **−8**
13. $g(x) = x^2 - 2$. $g(-4) =$ **14**
14. $f(x) = 3x + 7$. $f(2) =$ **13**
15. $f(x) = 2x - 3$. If $f(x) = 5$, $x =$ **4**
16. $f(x) = -x + 4$. $f(6) =$ **−2**
17. $f(x) = 4x - 6$. If $f(x) = -6$, $x =$ **0**
18. $f(x) = -5x + 5$. $f(1) =$ **0**
19. $f(x) = 2x - 4$. $f(2) =$ **0**
20. $f(x) = 2x - 4$. If $f(x) = 0$, $x =$ **2**