

Evaluating Functions - Level 3

Date _____ Period _____

Evaluate each function. If you need additional space, please use your notebook.

1) $g(t) = 2t - 1$; Find $g(-4)$

2) $g(a) = 2a - \frac{4}{5}$; Find $g(-1)$

3) $k(n) = -n - 1$; Find $k(2)$

4) $g(x) = 2x + \frac{3}{2}$; Find $g\left(-\frac{1}{5}\right)$

5) $w(n) = n^2 - 4n$; Find $w(-5)$

6) $h(a) = a^2 - a$; Find $h(5)$

7) $h(x) = -x + 4$; Find $h(-3)$

8) $h(n) = -n^3 - 5n^2$; Find $h(2)$

9) $g(t) = 3t^3 - 5t^2$; Find $g(-3)$

10) $g(t) = -t^2 - 2t$; Find $g(7)$

11) $h(x) = 3x^3 + 2x$; Find $h(-2)$

12) $f(x) = x^3 - 5$; Find $f(5)$

13) $w(n) = 5^n - 3$; Find $w(1)$

14) $f(t) = 5^{t+3}$; Find $f(-1)$

15) $g(x) = 4^x$; Find $g(-2)$

16) $h(x) = 3 \cdot 2^x - 2$; Find $h(-1)$

17) $w(a) = |a + 2|$; Find $w(-1)$

18) $p(a) = 3^{a+1} + \frac{1}{2}$; Find $p(0)$

19) $f(x) = 2^{x-1} + 1$; Find $f(-1)$

20) $g(a) = 2 \cdot 4^{2a}$; Find $g(0)$

21) $f(x) = \frac{2}{3} \cdot |x - 1| + 2$; Find $f\left(\frac{11}{10}\right)$

22) $g(x) = |x|$; Find $g(-5)$

23) $k(n) = n^2 - 2$; Find $k(-4n)$

24) $k(x) = x^2 - 1$; Find $k(-2x)$

25) $g(a) = 2a + 5$; Find $g(a + 3)$

26) $f(x) = 2x^2 - 2 + 2x$; Find $f(x^2)$

27) $g(a) = 2a + 4$; Find $g(4a)$

28) $g(a) = a + 5$; Find $g(-4a)$

29) $g(x) = 3x^2 - 4$; Find $g\left(\frac{x}{4}\right)$

30) $p(x) = -3x - 5$; Find $p(x + 3)$

31) $g(x) = x^3 - 3$; Find $g(-x)$

32) $h(x) = x^2 - x$; Find $h(2 + x)$

33) $h(n) = -3n^3 + 1$; Find $h(b + 2)$

34) $h(t) = 4t - 4$; Find $h(4 - t)$

35) $f(x) = 4x + 2$; Find $f(4x)$

36) $k(x) = 3x - 3$; Find $k(2x)$

37) $f(a) = a + 5$; Find $f(1 + y)$

38) $h(x) = 3x^2 - 5x$; Find $h(-x)$