

## Evaluating Functions Practice

Date \_\_\_\_\_ Period \_\_\_\_\_

**Evaluate each function.** Must show substitution step first for full credit. See Question #1.

1)  $w(a) = -2a + 5$ ; Find  $w(8)$

$$w(8) = -2(8) + 5$$
$$w(8) = -11$$

2)  $f(x) = 2x + 1$ ; Find  $f(8)$

3)  $g(n) = -3n - 5$ ; Find  $g(8)$

4)  $w(a) = 2a + 2$ ; Find  $w(9)$

5)  $k(t) = 4t - 1$ ; Find  $k(2)$

6)  $g(n) = 4n + 3$ ; Find  $g(-2)$

7)  $f(n) = n^2 - 3$ ; Find  $f(8)$

8)  $p(x) = x^2 + 4x$ ; Find  $p(7)$

9)  $k(n) = n^2 + 5$ ; Find  $k(-2)$

10)  $g(x) = x^2 - 3$ ; Find  $g(4)$

11)  $p(n) = n^3 + 2n^2$ ; Find  $p(4)$

12)  $p(a) = -a^2 + 2$ ; Find  $p(0)$

13)  $f(t) = |t - 1| - 1$ ; Find  $f(-10)$

14)  $g(n) = 2^n - 3$ ; Find  $g(1)$

15)  $k(t) = |2t - 3|$ ; Find  $k(5)$

16)  $k(x) = |x - 2|$ ; Find  $k(5)$

17)  $w(x) = 3|-2x - 1|$ ; Find  $w(-5)$

18)  $f(n) = |2n + 1| + 2$ ; Find  $f(-3)$

19)  $g(n) = 2n - 2$ ; Find  $g(3t)$

20)  $g(a) = 4a + 3$ ; Find  $g(4a)$

21)  $p(t) = 4t + 3$ ; Find  $p(a - 2)$

22)  $h(n) = 3n - 4$ ; Find  $h(n - 2)$