

Evaluating Functions

Date _____ Period _____

Evaluate each function.

1) $f(a) = a^2 + 3$; Find $f(3)$

2) $w(x) = x^2 - x$; Find $w(-2)$

3) $k(t) = 3|t - 3| + 2$; Find $k(4)$

4) $h(a) = 3a + 2$; Find $h(-2)$

5) $f(x) = -x - 2$; Find $f(1)$

6) $w(a) = |2a + 1|$; Find $w(4)$

7) $w(n) = n^2 - 4$; Find $w(9)$

8) $f(t) = |t|$; Find $f(10)$

9) $g(n) = -4n + 5$; Find $g(-10)$

10) $w(t) = 3|-t| - 2$; Find $w(9)$

11) $f(x) = x^2 + 5x$; Find $f(-x)$

12) $g(x) = -2x^3 + 1$; Find $g(x + 1)$

13) $f(x) = 2x^2 + 5$; Find $f\left(\frac{x}{2}\right)$

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

15) $p(x) = |x + 3|$; Find $p(-4x)$

16) $g(x) = |x|$; Find $g(-3x)$

17) $k(a) = 2a^2 + 5a$; Find $k\left(\frac{a}{4}\right)$

18) $g(x) = |x - 2| - 1$; Find $g(a - 2)$

19) $h(x) = |x| - 1$; Find $h(-3x)$

20) $f(n) = -2n^2$; Find $f(2n)$