Math 2 Name_____

Unit 9.3 Evaluating Functions PRACTICE

Period____

Evaluate each function.

1) $g(x) = -2x + 5$; Find $g(3)$

2) $k(a) = 2a - 4$; Find $k(-10)$

3) $f(x) = 3x - 5$; Find $f(x + 3)$

4) $h(t) = -2t + 2$; Find $h\left(\frac{t}{4}\right)$

5) $f(n) = n^3 + 3n^2$; Find $f(-5)$

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

7) $g(n) = n^2 + 4$; Find $g\left(\frac{n}{4}\right)$

8) $w(t) = t^3 - 4$; Find $w(-4t)$

9) $p(x) = 3\left|x + 1\right|$; Find $p(1)$

10) $f(x) = \left|x\right| + 1$; Find $f(7)$

11) $f(n) = \left|n\right| - 3$; Find $f(3n)$

12) $f(n) = \left|n + 1\right|$; Find $f(3 + n)$

13) $f(x) = -2 \cdot 4^{x} - 2$; Find $f(-1)$

14) $h(t) = 4^{t+1} - 1$; Find $h(0)$

15) $g(a) = -3 \cdot 3^{a+2}$; Find $g(t-3)$

16) $w(t) = 2 \cdot 2^{3t}$; Find $w(t+3)$

17) $k(x) = 3^{2x} + 2$; Find $k(2)$

18) $f(x) = \left|x + \frac{2}{3}\right| - \frac{5}{3}$; Find $f\left(-\frac{2}{5}\right)$

19) $f(x) = \left|-x + \frac{2}{3}\right|$; Find $f(2)$

20) $p(n) = 2n$; Find $p\left(\frac{1}{3}\right)$

21) $h(n) = 5^{n} + 1$; Find $h(-n)$

22) $k(t) = \left|-t\right| - 2$; Find $k\left(\frac{2t}{3}\right)$

23) $g(n) = n^{3} + \frac{3}{5}n$; Find $g\left(n - \frac{1}{2}\right)$

24) $f(x) = x^{3} + \frac{4}{3}x$; Find $f(x-2)$