Algebra 2 Name_____

Function Practice

Date_____ Block____

Evaluate each function.

1) $k(t) = t^2 - 2t$; Find $k(-6)$

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

3) $h(t) = 4t + 4$; Find $h(0)$

4) $g(n) = 3n - 4$; Find $g(10)$

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

6) $h(t) = t + 1$; Find $h(1 + a)$

7) $w(a) = 4a - 4$; Find $w(a - 2)$

8) $g(a) = 4a - 4$; Find $g(3 - a)$

9) $w(x) = 3x + 3$; Find $w(-2 - b)$

10) $f(x) = 4x - 5$; Find $f(2x)$

Perform the indicated operation.

11) $g(x) = x^2 - 2$
$h(x) = 3x - 5$
Find $(4g - 3h)(6)$

12) $f(n) = n + 4$
$g(n) = 2n - 5$
Find $(f - g)(0)$

13) $g(x) = 3x + 4$
$f(x) = x^2 + 4x$
Find $(g + f)(6)$

14) $g(n) = 3n^2 - 1$
$h(n) = -4n$
Find $\left(\frac{g}{h}\right)(-3)$

15) $g(x) = 2x - 4$
$f(x) = 2x - 3$
Find $(g - f)(2)$

16) $g(x) = x - 4$
$f(x) = x^2 + 4x$
Find $g(x) - f(x)$

17) $g(n) = 4n + 1$
$h(n) = 3n + 1$
Find $g(n) + h(n)$

18) $g(n) = 2n + 3$
$f(n) = 3n^3 - n$
Find $g(n) + f(n)$

19) $f(x) = 3x - 2$
$g(x) = x^2 - 4$
Find $f(x) \div g(x)$

20) $f(x) = 2x^2 + 1$
$g(x) = 4x - 3$
Find $f(x) - g(x)$