Function Operations

Name_____

Assignment

Date_____ Period____

Perform the indicated operation.

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

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

3) $f(t) = 2t - 1$
$g(t) = 2t + 2$
Find $f(t) \cdot g(t)$

4) $f(t) = 3t - 5$
$g(t) = 3t$
Find $f(t) \cdot g(t)$

5) $f(n) = 2n - 4$
$g(n) = n^2 + 1$
Find $f(n) + g(n)$

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

7) $g(x) = 4x + 5$
$f(x) = 4x + 1$
Find $g(x) - f(x)$

8) $g(x) = -x + 4$
$f(x) = 2x^2 + 5$
Find $g(x) \div f(x)$

9) $g(n) = 2n + 1$
$h(n) = 3n - 2$
Find $g(n) - h(n)$

10) $g(x) = -x + 1$
$h(x) = 4x - 1$
Find $g(x) - h(x)$

11) $g(n) = 3n - 2$
$f(n) = n - 1$
Find $g(n) \cdot f(n)$

12) $g(x) = -3x$
$h(x) = x^2 + 1$
Find $g(x) \cdot h(x)$

13) $g(x) = -x + 5$
$h(x) = x + 2$
Find $g(x) \div h(x)$

14) $f(n) = n + 2$
$g(n) = n^2 - 1$
Find $f(n) + g(n)$

15) $g(n) = 3n - 1$
$f(n) = n^3 + 3n^2 - n$
Find $g(n) - f(n)$

16) $h(x) = -2x - 2$
$g(x) = x^3 - x$
Find $h(x) \div g(x)$