



Adding and Subtracting Functions

Perform the indicated operation.

1) $f(x) = x + 4$

$g(x) = 2x + 5$

Find $(f - g)(2)$

2) $g(x) = x - 2$

$f(x) = -x - 6$

Find $(g - f)(-2)$

3) $h(t) = 4t + 4$

$g(t) = 3t + 2$

Find $(h + g)(-1)$

4) $g(a) = 5a - 7$

$f(a) = a^2 + 3$

Find $(g + f)(2)$

5) $g(x) = 4x - 5$

$f(x) = 6x^2 + 5$

Find $(g - f)(-2)$

6) $h(x) = x^2 + 3$

$g(x) = -4x + 1$

Find $(h + g)(4)$

7) $f(x) = -3x - 9$

$g(x) = x^2 + 5$

Find $(f - g)(6)$

8) $h(n) = -4n^2 + 9$

$g(n) = 5n + 6$

Find $(h - g)(5)$

9) $g(x) = 4x^2 - 3x - 1$

$f(x) = 6x + 10$

Find $(g - f)(a)$

10) $g(t) = -6t - 7$

$f(t) = -t^2 + 3t + 15$

Find $(g + f)(t)$
