

PRACTICE Quiz 9.3 - 9.4 Add & Subtract Functions**Evaluate each function.**

1) $w(t) = 2t - 1$; Find $w\left(\frac{t}{2}\right)$

2) $g(n) = n^2 + 4n$; Find $g(-8)$

3) $p(n) = 2n^2 + 4n$; Find $p(x - 3)$

4) $g(t) = -3|t - 3|$; Find $g(t^2)$

5) $f(t) = \left| -1 - \frac{3}{2}t \right|$; Find $f(2)$

6) $h(n) = 2 + \frac{2}{3}n$; Find $h\left(-\frac{2}{3}n\right)$

Perform the indicated operation.

7) $g(n) = n^2 + 3n$
 $f(n) = 4n + 4$
Find $(g + f)(n)$

8) $h(n) = -2n - 4$
 $g(n) = n^3 + 5n$
Find $(h - g)(n)$

9) $h(x) = 3x^2 - 5x$
 $g(x) = 2x$
Find $h(x) - g(x)$

10) $g(x) = -3x - 2$
 $h(x) = -2x - 4$
Find $(g - h)(-x)$

11) $g(t) = 2t^2 + 5$
 $f(t) = 2t$
Find $(g + f)(1 + t)$

12) $g(t) = t - 4$
 $f(t) = -4t - 3$
Find $(g + f)(t - 2)$

PRACTICE Quiz 9.3 - 9.4 Add & Subtract Functions

Evaluate each function.

1) $w(t) = 2t - 1$; Find $w\left(\frac{t}{2}\right)$

$t - 1$

2) $g(n) = n^2 + 4n$; Find $g(-8)$

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3) $p(n) = 2n^2 + 4n$; Find $p(x - 3)$

$2x^2 - 8x + 6$

4) $g(t) = -3|t - 3|$; Find $g(t^2)$

$-3|t^2 - 3|$

5) $f(t) = \left| -1 - \frac{3}{2}t \right|$; Find $f(2)$

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6) $h(n) = 2 + \frac{2}{3}n$; Find $h\left(-\frac{2}{3}n\right)$

$2 - \frac{4}{9}n$

Perform the indicated operation.

7) $g(n) = n^2 + 3n$
 $f(n) = 4n + 4$
Find $(g + f)(n)$

$n^2 + 7n + 4$

8) $h(n) = -2n - 4$
 $g(n) = n^3 + 5n$
Find $(h - g)(n)$

$-n^3 - 7n - 4$

9) $h(x) = 3x^2 - 5x$
 $g(x) = 2x$
Find $h(x) - g(x)$

$3x^2 - 7x$

10) $g(x) = -3x - 2$
 $h(x) = -2x - 4$
Find $(g - h)(-x)$

$x + 2$

11) $g(t) = 2t^2 + 5$
 $f(t) = 2t$
Find $(g + f)(1 + t)$

$2t^2 + 6t + 9$

12) $g(t) = t - 4$
 $f(t) = -4t - 3$
Find $(g + f)(t - 2)$

$-3t - 1$