Name:

Date:

Adding and Subtracting Functions

Perform the indicated operation.

1) $f(x) = 4x - 7$
$y(x) = 3x^2 + 2x + 1$
Find: $(f - g)(5)$

2) $f(x) = x^2 + 3x$
$h(x) = 4x - 2$
Find: $(f - h)(2)$

3) $g(t) = 2t + 4$
$f(t) = 10t + 5$
Find: $(g + f)(3)$

4) $h(x) = x^3 + 5x$
$f(x) = 4x - 7$
Find: $(h + f)(1)$

5) $f(x) = 2x^2 + 2x + 1$
$y(x) = 10x - 10$
Find: $(f - y)(-1)$

6) $y(x) = x^3 - 5x$
$h(x) = x^3$
Find: $(y + h)(3)$

7) $g(t) = 4t^2 - 4t$
$h(t) = 2t^2 - 5t + 1$
Find: $(g + h)(1)$

8) $h(a) = 5a + 1$
$g(a) = 2a - 6$
Find: $(h - g)(-2)$

9) $y(x) = x^3 - 5x$
$f(x) = -3x + 1$
Find: $(y + f)(5)$

10) $f(u) = u^2 - 6$
$m(u) = 10u - u^2$
Find: $(f + m)(10)$

Name:

Date:

Adding and Subtracting Functions

Answers

Perform the indicated operation.

1) $f(x) = 4x - 7$
$g(x) = 3x^2 + 2x + 1$
Find: $(f - g)(5)$
-73

2) $f(x) = x^2 + 3x$
$h(x) = 4x - 2$
Find: $(f - h)(2)$
4

3) $g(t) = 2t + 4$
$f(t) = 10t + 5$
Find: $(g + f)(3)$
45

4) $h(x) = x^3 + 5x$
$f(x) = 4x - 7$
Find: $(h + f)(1)$
3

5) $f(x) = 2x^2 + 2x + 1$
$y(x) = 10x - 10$
Find: $(f - y)(-1)$
21

6) $y(x) = x^3 - 5x$
$h(x) = x^3$
Find: $(y + h)(3)$
39

7) $g(t) = 4t^2 - 4t$
$h(t) = 2t^2 - 5t + 1$
Find: $(g + h)(1)$
-2

8) $h(a) = 5a + 1$
$g(a) = 2a - 6$
Find: $(h - g)(-2)$
1

9) $y(x) = x^3 - 5x$
$f(x) = -3x + 1$
Find: $(y + f)(5)$
86

10) $f(u) = u^2 - 6$
$m(u) = 10u - u^2$
Find: $(f + m)(10)$
94

testinar.com/qruw
QUIZ ?
So Much More Online! Please visit: testinar.com
MORE ?
testinar.com/grux