Function Operations (Sum, Difference, Product & Quotient) · 1

$f(x) = 5x + 6$ and $g(x) = -x^2 - 7x - 9$. Find $(f \cdot g)(x)$.

Function Operations (Sum, Difference, Product & Quotient) · 2

$f(x) = 2x^2 - 5x + 4$ and $g(x) = x^2 - 8x - 9$. Find $(f - g)(x)$.

Function Operations (Sum, Difference, Product & Quotient) · 3

$f(x) = 5x - 2$ and $g(x) = x^2 - 7x + 1$. Find $\left(\frac{f}{g}\right)(2)$.

Function Operations (Sum, Difference, Product & Quotient) · 4

$f(x) = -3x - 8$ and $g(x) = x + 5$. Which value of x is not in the domain of $\left(\frac{f}{g}\right)(x)$?

Function Operations (Sum, Difference, Product & Quotient) · 5

$f(x) = 5x + 2$ and $g(x) = x^2 + 5x + 2$. Find $2f(x) - 3g(x)$.

Function Operations (Sum, Difference, Product & Quotient) · 6

$f(x) = 5x + 2$ and $g(x) = x^2 - 9x - 7$. Find $(f \cdot g)(-2)$.

Function Operations (Sum, Difference, Product & Quotient) · 7

$f(x) = 2x - 9$ and $g(x) = x^2 - 9x - 5$. Find $2f(3) + (f \cdot g)(3)$.

Function Operations (Sum, Difference, Product & Quotient) · 8

$f(x) = 4x - 4$ and $g(x) = x^2 + 6x + 5$. Which two values of x are not in the domain of $\left(\frac{f}{g}\right)(x)$? Write $x = a$ or $x = b$.

Function Operations (Sum, Difference, Product & Quotient) · 2

ANSWER

$x^2 + 3x + 13$

Function Operations (Sum, Difference, Product & Quotient) · 1

ANSWER

$-5x^3 - 41x^2 - 87x - 54$

Function Operations (Sum, Difference, Product & Quotient) · 4

ANSWER

$x = -5$

Function Operations (Sum, Difference, Product & Quotient) · 3

ANSWER

$\frac{8}{-9}$

Function Operations (Sum, Difference, Product & Quotient) · 6

ANSWER

-120

Function Operations (Sum, Difference, Product & Quotient) · 5

ANSWER

$-3x^2 - 5x - 2$

Function Operations (Sum, Difference, Product & Quotient) · 8

ANSWER

$x = -5$ or $x = -1$

Function Operations (Sum, Difference, Product & Quotient) · 7

ANSWER

63

Function Operations (Sum, Difference, Product & Quotient) · 9

$f(x) = 6x - 9$ and $g(x) = 2x^2 - 6x - 7$. Find $(f \cdot g)(x)$.

Function Operations (Sum, Difference, Product & Quotient) · 10

$f(x) = 3x^2 + 2x - 9$ and $g(x) = -x^2 + x - 4$. Find $(g - f)(x)$.

Function Operations (Sum, Difference, Product & Quotient) · 11

$f(x) = 3x + 6$ and $g(x) = x^2 - 8x + 3$. Find $\left(\frac{f}{g}\right)(1)$.

Function Operations (Sum, Difference, Product & Quotient) · 12

$f(x) = -4x + 2$ and $g(x) = x^2 + 3x - 4$. Which two values of x are not in the domain of $\left(\frac{f}{g}\right)(x)$? Write x = a or x = b.

Function Operations (Sum, Difference, Product & Quotient) · 13

$f(x) = x - 2$ and $g(x) = -x^2 + 9x + 4$. Find $3f(x) - 3g(x)$.

Function Operations (Sum, Difference, Product & Quotient) · 14

$f(x) = -x - 8$ and $g(x) = -x^2 - 8x - 1$. Find $(f \cdot g)(-4)$.

Function Operations (Sum, Difference, Product & Quotient) · 15

$f(x) = x + 8$ and $g(x) = x^2 - 4x - 9$. Find $2f(5) + (f \cdot g)(5)$.

Function Operations (Sum, Difference, Product & Quotient) · 16

$f(x) = 5x - 9$ and $g(x) = x^2 + 3x$. Which two values of x are not in the domain of $\left(\frac{f}{g}\right)(x)$? Write x = a or x = b.

Function Operations (Sum, Difference, Product & Quotient) · 10

ANSWER

$-4x^2 - x + 5$

Function Operations (Sum, Difference, Product & Quotient) · 9

ANSWER

$12x^3 - 54x^2 + 12x + 63$

Function Operations (Sum, Difference, Product & Quotient) · 12

ANSWER

$x = -4$ or $x = 1$

Function Operations (Sum, Difference, Product & Quotient) · 11

ANSWER

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

Function Operations (Sum, Difference, Product & Quotient) · 14

ANSWER

-60

Function Operations (Sum, Difference, Product & Quotient) · 13

ANSWER

$3x^2 - 24x - 18$

Function Operations (Sum, Difference, Product & Quotient) · 16

ANSWER

$x = -3$ or $x = 0$

Function Operations (Sum, Difference, Product & Quotient) · 15

ANSWER

-26

$f(x) = 5x + 7$ and $g(x) = -x^2 - 4x + 9$. Find $(f \cdot g)(x)$.

$f(x) = 3x^2 - 4x - 8$ and $g(x) = -x^2 + 8x + 1$. Find $(g - f)(x)$.

$f(x) = -3x + 8$ and $g(x) = -x^2 - 2x + 7$. Find $\left(\frac{f}{g}\right)(-3)$.

$f(x) = -2x - 7$ and $g(x) = x^2 - 11x + 24$. Which two values of x are not in the domain of $\left(\frac{f}{g}\right)(x)$? Write x = a or x = b.

$f(x) = x - 9$ and $g(x) = -x^2 - x + 1$. Find $3f(x) - 3g(x)$.

$f(x) = 4x - 9$ and $g(x) = 2x^2 + 3x + 5$. Find $(f \cdot g)(3)$.

$f(x) = 5x - 1$ and $g(x) = -x^2 - 4x - 2$. Find $3f(-4) + (f \cdot g)(-4)$.

$f(x) = x - 4$ and $g(x) = x^2 - 9x + 8$. Which two values of x are not in the domain of $\left(\frac{f}{g}\right)(x)$? Write x = a or x = b.

ANSWER

$-4x^2 + 12x + 9$

ANSWER

$-5x^3 - 27x^2 + 17x + 63$

ANSWER

$x = 3$ or $x = 8$

ANSWER

$$\frac{17}{4}$$

ANSWER

96

ANSWER

$3x^2 + 6x - 30$

ANSWER

$x = 1$ or $x = 8$

ANSWER

-21