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

$f(x) = 2x + 3$ and $g(x) = x^2 - 4x + 7$. Find $(f - g)(x)$.

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

$f(x) = -4x + 4$ and $g(x) = -2x + 6$. Find $(f \cdot g)(x)$.

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

$f(x) = 6x + 6$ and $g(x) = x^2 - x + 7$. Find $\left(\frac{f}{g}\right)(-2)$.

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

$f(x) = 4x + 5$ and $g(x) = -x - 8$. Which value of x is not in the domain of $\left(\frac{f}{g}\right)(x)$?

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

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

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

$f(x) = 5x + 6$ and $g(x) = 4x + 4$. Find $(f \cdot g)(4)$.

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

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

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

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

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

ANSWER

$$8x^2 - 32x + 24$$

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

ANSWER

$$-x^2 + 6x - 4$$

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

ANSWER

$$x = -8$$

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

ANSWER

$$\frac{6}{-13}$$

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

ANSWER

$$520$$

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

ANSWER

$$x^2 + 9x + 6$$

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

ANSWER

$$5x^2 + 22x + 8$$

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

ANSWER

$$-x^2 + 3x - 2$$

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

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

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

$f(x) = x + 6$ and $g(x) = 6x + 3$. Find $(f \cdot g)(x)$.

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

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

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

$f(x) = 5x - 1$ and $g(x) = x - 7$. Which value of x is not in the domain of $\left(\frac{f}{g}\right)(x)$?

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

$f(x) = -3x - 2$ and $g(x) = 3x + 7$. Find $(f + g)(x)$.

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

$f(x) = -6x + 7$ and $g(x) = 4x - 7$. Find $(f \cdot g)(2)$.

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

$f(x) = 3x + 3$ and $g(x) = x^2 + 6x + 4$. Find $(f - g)(x)$.

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

$f(x) = 5x - 6$ and $g(x) = 5x + 1$. Find $(f \cdot g)(x)$.

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

ANSWER

$6x^2 + 39x + 18$

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

ANSWER

$x^2 - 5x - 5$

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

ANSWER

$x = 7$

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

ANSWER

$\frac{1}{9}$

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

ANSWER

-5

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

ANSWER

5

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

ANSWER

$25x^2 - 25x - 6$

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

ANSWER

$-x^2 - 3x - 1$

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

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

$f(x) = 6x - 7$ and $g(x) = x^2 + 3x - 8$. Find $\left(\frac{f}{g}\right)(-3)$.

$f(x) = 3x + 7$ and $g(x) = 2x - 4$. Which value of x is not in the domain of $\left(\frac{f}{g}\right)(x)$?

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

$f(x) = -x - 2$ and $g(x) = x^2 + 6x - 1$. Find $(f \cdot g)(4)$.

$f(x) = 2x + 7$ and $g(x) = -x^2 + x - 5$. Find $2f(3) + (f \cdot g)(3)$.

$f(x) = 3x - 6$ and $g(x) = x^2 - 3x - 10$. 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) · 18

ANSWER

$8x$

Function Operations (Sum, Difference, Product & Quotient) · 17

ANSWER

$36x^2 - 12x - 63$

Function Operations (Sum, Difference, Product & Quotient) · 20

ANSWER

$x = 2$

Function Operations (Sum, Difference, Product & Quotient) · 19

ANSWER

$$\frac{25}{8}$$

Function Operations (Sum, Difference, Product & Quotient) · 22

ANSWER

-234

Function Operations (Sum, Difference, Product & Quotient) · 21

ANSWER

$3x^2 + 15x + 9$

Function Operations (Sum, Difference, Product & Quotient) · 24

ANSWER

$x = -2$ or $x = 5$

Function Operations (Sum, Difference, Product & Quotient) · 23

ANSWER

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