Task card 1 Function Operations (Sum, Differen...

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

Task card 2 Function Operations (Sum, Differen...

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

Task card 3 Function Operations (Sum, Differen...

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

Task card 4 Function Operations (Sum, Differen...

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

Task card 5 Function Operations (Sum, Differen...

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

Task card 6 Function Operations (Sum, Differen...

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

Task card 7 Function Operations (Sum, Differen...

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

Task card 8 Function Operations (Sum, Differen...

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

Task card 9 Function Operations (Sum, Differen...

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

Task card 10 Function Operations (Sum, Differen...

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

Task card 11 Function Operations (Sum, Differen...

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

Task card 12 Function Operations (Sum, Differen...

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

Task card 13 Function Operations (Sum, Differen...

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

Task card 14 Function Operations (Sum, Differen...

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

Task card 15 Function Operations (Sum, Differen...

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

Task card 16 Function Operations (Sum, Differen...

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

Task card 17 Function Operations (Sum, Differen...

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

Task card 18 Function Operations (Sum, Differen...

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

Task card 19 Function Operations (Sum, Differen...

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

Task card 20 Function Operations (Sum, Differen...

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

Task card 21 Function Operations (Sum, Differen...

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

Task card 22 Function Operations (Sum, Differen...

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

Task card 23 Function Operations (Sum, Differen...

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

Task card 24 Function Operations (Sum, Differen...

$f(x) = 3x - 6$ 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) Task Cards

Recording sheet · Grade 11 · Find each value or expression. Write expressions in standard form, like x^2 - 3x + 4, and fractions in simplest form.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Function Operations (Sum, Difference, Product & Quotient) Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. $-x^2 + 6x - 4$	**2.** $8x^2 - 32x + 24$	**3.** $\frac{6}{-13}$
4. $x = -8$	**5.** $x^2 + 9x + 6$	**6.** 520
7. $-x^2 + 3x - 2$	**8.** $5x^2 + 22x + 8$	**9.** $x^2 - 5x - 5$
10. $6x^2 + 39x + 18$	**11.** $\frac{1}{9}$	**12.** $x = 7$
13. 5	**14.** -5	**15.** $-x^2 - 3x - 1$
16. $25x^2 - 25x - 6$	**17.** $36x^2 - 12x - 63$	**18.** $8x$
19. $\frac{25}{8}$	**20.** $x = 2$	**21.** $3x^2 + 15x + 9$
22. -234	**23.** -117	**24.** $x = -2$ or $x = 5$