Task card 1 Domain & Range of Functions (Mixed...

Which x-values are excluded from the domain of $f(x) = \frac{7}{x^2 - 10x + 21}$?

Task card 2 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(x - 4)}$ is $x \geq k$. Find k.

Task card 3 Domain & Range of Functions (Mixed...

The range of $f(x) = 3(x - 1)^2 - 1$ is $y \geq k$. Find k.

Task card 4 Domain & Range of Functions (Mixed...

Which x-value is excluded from the domain of $f(x) = \frac{3}{x + 4}$?

Task card 5 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(-2 - x)}$ is $x \leq k$. Find k.

Task card 6 Domain & Range of Functions (Mixed...

The range of $f(x) = -(x - 7)^2 + 2$ is $y \leq k$. Find k.

Task card 7 Domain & Range of Functions (Mixed...

Which x-values are excluded from the domain of $f(x) = \frac{7}{x^2 + 11x + 24}$?

Task card 8 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(x + 5)}$ is $x \geq k$. Find k.

Task card 9 Domain & Range of Functions (Mixed...

The range of $f(x) = x^2 - 6$ is $y \geq k$. Find k.

Task card 10 Domain & Range of Functions (Mixed...

Which x-values are excluded from the domain of $f(x) = \frac{1}{x^2 + 13x + 42}$?

Task card 11 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(x + 7)}$ is $x \geq k$. Find k.

Task card 12 Domain & Range of Functions (Mixed...

The range of $f(x) = -3(x + 4)^2 - 2$ is $y \leq k$. Find k.

Task card 13 Domain & Range of Functions (Mixed...

Which x-value is excluded from the domain of $f(x) = \frac{4}{x + 5}$?

Task card 14 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(x - 7)}$ is $x \geq k$. Find k.

Task card 15 Domain & Range of Functions (Mixed...

The range of $f(x) = (x - 2)^2 - 6$ is $y \geq k$. Find k.

Task card 16 Domain & Range of Functions (Mixed...

Which x-values are excluded from the domain of $f(x) = \frac{5}{x^2 - 2x}$?

Task card 17 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(2x - 12)}$ is $x \geq k$. Find k.

Task card 18 Domain & Range of Functions (Mixed...

The range of $f(x) = 2(x - 7)^2 + 8$ is $y \geq k$. Find k.

Task card 19 Domain & Range of Functions (Mixed...

Which x-values are excluded from the domain of $f(x) = \frac{4}{x^2 - 2x - 3}$?

Task card 20 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(-18 - 3x)}$ is $x \leq k$. Find k.

Task card 21 Domain & Range of Functions (Mixed...

The range of $f(x) = -2(x + 5)^2 - 6$ is $y \leq k$. Find k.

Task card 22 Domain & Range of Functions (Mixed...

Which x-value is excluded from the domain of $f(x) = \frac{x + 1}{x - 3}$?

Task card 23 Domain & Range of Functions (Mixed...

The domain of $f(x) = \sqrt{(2x + 6)}$ is $x \geq k$. Find k.

Task card 24 Domain & Range of Functions (Mixed...

The range of $f(x) = -2(x - 3)^2 + 5$ is $y \leq k$. Find k.

Domain & Range of Functions (Mixed Review) Task Cards

Recording sheet · Grade 12 · Answer each question about the domain or range. When a question asks for excluded values, write them like x = 2 or x = -3.

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

Domain & Range of Functions (Mixed Review) Task Cards: Answer Key

Grade 12 · Medium

The answers online

1. x = 3 or x = 7	**2.** 4	**3.** -1
4. x = -4	**5.** -2	**6.** 2
7. x = -8 or x = -3	**8.** -5	**9.** -6
10. x = -7 or x = -6	**11.** -7	**12.** -2
13. x = -5	**14.** 7	**15.** -6
16. x = 0 or x = 2	**17.** 6	**18.** 8
19. x = -1 or x = 3	**20.** -6	**21.** -6
22. x = 3	**23.** -3	**24.** 5