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

Which x-value is excluded from the domain of $f(x) = \frac{4x + 4}{x - 10}$?

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

The domain of $f(x) = \sqrt{(24 - 3x)}$ is $x \leq k$. Find k.

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

The range of $f(x) = -(x - 1)^2 - 9$ is $y \leq k$. Find k.

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

Which x-values are excluded from the domain of $f(x) = \frac{2}{x^2 - 15x + 50}$?

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

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

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

The range of $f(x) = -3(x - 8)^2 + 6$ is $y \leq k$. Find k.

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

Which x-value is excluded from the domain of $f(x) = \frac{x + 2}{x - 3}$?

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

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

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

The range of $f(x) = 2(x - 10)^2 - 8$ is $y \geq k$. Find k.

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

Which x-value is excluded from the domain of $f(x) = \frac{1}{x + 5}$?

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

The domain of $f(x) = \sqrt{(-8 - 4x)}$ is $x \leq k$. Find k.

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

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

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

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

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

The domain of $f(x) = \sqrt{(-36 - 4x)}$ is $x \leq k$. Find k.

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

The range of $f(x) = -3(x + 7)^2 + 9$ is $y \leq k$. Find k.

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

Which x-values are excluded from the domain of $f(x) = \frac{5}{x^2 - 6x - 40}$?

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

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

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

The range of $f(x) = -(x - 3)^2 + 10$ is $y \leq k$. Find k.

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

Which x-values are excluded from the domain of $f(x) = \frac{7}{x^2 - 13x + 42}$?

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

The domain of $f(x) = \sqrt{(-4 - 2x)}$ is $x \leq k$. Find k.

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

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

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

Which x-value is excluded from the domain of $f(x) = \frac{9}{x + 11}$?

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

The domain of $f(x) = \sqrt{(x - 9)}$ is $x \geq k$. Find k.

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

The range of $f(x) = 3(x + 7)^2 + 5$ is $y \geq k$. 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 · Hard

The answers online

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