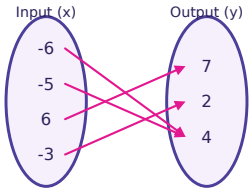
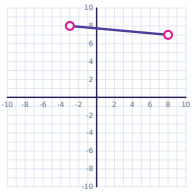
Task card 1 Finding Domain & Range

The mapping diagram shows a function. What is its range?



Task card 2 Finding Domain & Range

Write the domain of the function graphed below as an inequality.



Task card 3 Finding Domain & Range

$f(x) = 2x + 1$ for $-5 < x \leq 1$. Find the range.

Task card 4 Finding Domain & Range

Find the domain of $f(x) = \sqrt{(3x + 21)}$.

Task card 5 Finding Domain & Range

Which x-value is not in the domain of $f(x) = \frac{9}{2x - 2}$?

Task card 6 Finding Domain & Range

Find the range of $f(x) = -\sqrt{(x - 6)} - 6$.

Task card 7 Finding Domain & Range

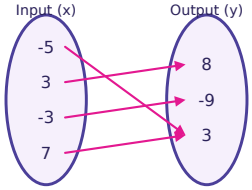
Find the range of $f(x) = 2x^2 + 8$.

Task card 8 Finding Domain & Range

Find the domain of the relation {(-8, 9), (9, 4), (-7, -1), (2, 9), (7, 5)}.

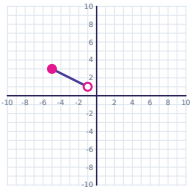
Task card 9 Finding Domain & Range

The mapping diagram shows a function. What is its range?



Task card 10 Finding Domain & Range

Write the range of the function graphed below as an inequality.



Task card 11 Finding Domain & Range

$f(x) = 3x + 2$ for $0 < x \leq 5$. Find the range.

Task card 12 Finding Domain & Range

Find the domain of $f(x) = \sqrt{(4x - 36)}$.

Task card 13 Finding Domain & Range

Which x-value is not in the domain of f(x) $= \frac{2}{4x - 20}$?

Task card 14 Finding Domain & Range

Find the range of $f(x) = -\sqrt{(x - 8)} - 4$.

Task card 15 Finding Domain & Range

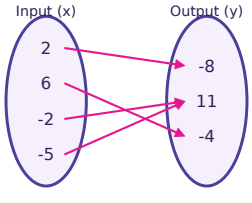
Find the range of $f(x) = 3x^2 - 1$.

Task card 16 Finding Domain & Range

Find the domain of the relation {(-2, 7), (-5, 7), (5, 1), (7, -4), (-1, -8)}.

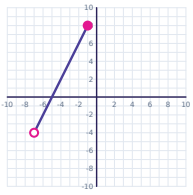
Task card 17 Finding Domain & Range

The mapping diagram shows a function. What is its range?



Task card 18 Finding Domain & Range

Write the domain of the function graphed below as an inequality.



Task card 19 Finding Domain & Range

$f(x) = -x + 3$ for $-4 < x \leq 1$. Find the range.

Task card 20 Finding Domain & Range

Find the domain of $f(x) = \sqrt{(4 - x)}$.

Task card 21 Finding Domain & Range

Which x-value is not in the domain of $f(x) = \frac{5}{2x + 10}$?

Task card 22 Finding Domain & Range

Find the range of $f(x) = \sqrt{(x - 3)} + 1$.

Task card 23 Finding Domain & Range

Find the range of $f(x) = 2x^2 + 9$.

Task card 24 Finding Domain & Range

Find the domain of the relation {(-4, -8), (-8, -1), (6, -6), (-6, -1), (9, -2)}.

Finding Domain & Range Task Cards

Recording sheet · Grade 9 · Write a domain or range from a list as its numbers from least to greatest, separated by commas, like -2, 0, 5 (each number once). Write an interval with inequalities, like $x \geq 3$, $y \leq 4$ or $-2 \leq x < 5$ (x for a domain, y for a range). If a question asks which x-value is left out of the domain, write just that number.

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

Finding Domain & Range Task Cards: Answer Key

Grade 9 · Hard

The answers online

1. 2, 4, 7	**2.** -3 < x < 8	**3.** -9 < y ≤ 3
4. x ≥ -7	**5.** 1	**6.** y ≤ -6
7. y ≥ 8	**8.** -8, -7, 2, 7, 9	**9.** -9, 3, 8
10. 1 < y ≤ 3	**11.** 2 < y ≤ 17	**12.** x ≥ 9
13. 5	**14.** y ≤ -4	**15.** y ≥ -1
16. -5, -2, -1, 5, 7	**17.** -8, -4, 11	**18.** -7 < x ≤ -1
19. 2 ≤ y < 7	**20.** x ≤ 4	**21.** -5
22. y ≥ 1	**23.** y ≥ 9	**24.** -8, -6, -4, 6, 9