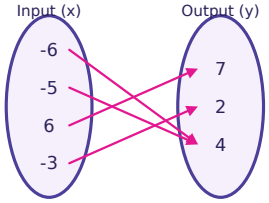
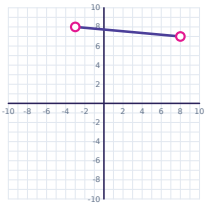
Finding Domain & Range · 1

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



Finding Domain & Range · 2

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



Finding Domain & Range · 3

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

Finding Domain & Range · 4

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

Finding Domain & Range · 5

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

Finding Domain & Range · 6

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

Finding Domain & Range · 7

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

Finding Domain & Range · 8

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

Finding Domain & Range · 2

ANSWER

$-3 < x < 8$

Finding Domain & Range · 1

ANSWER

2, 4, 7

Finding Domain & Range · 4

ANSWER

$x \geq -7$

Finding Domain & Range · 3

ANSWER

$-9 < y \leq 3$

Finding Domain & Range · 6

ANSWER

$y \leq -6$

Finding Domain & Range · 5

ANSWER

1

Finding Domain & Range · 8

ANSWER

-8, -7, 2, 7, 9

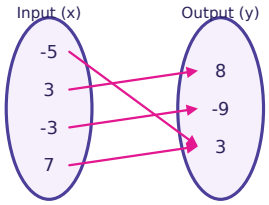
Finding Domain & Range · 7

ANSWER

$y \geq 8$

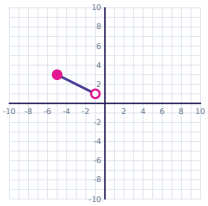
Finding Domain & Range · 9

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



Finding Domain & Range · 10

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



Finding Domain & Range · 11

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

Finding Domain & Range · 12

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

Finding Domain & Range · 13

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

Finding Domain & Range · 14

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

Finding Domain & Range · 15

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

Finding Domain & Range · 16

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

Finding Domain & Range · 10

ANSWER

$1 < y \leq 3$

Finding Domain & Range · 9

ANSWER

$-9, 3, 8$

Finding Domain & Range · 12

ANSWER

$x \geq 9$

Finding Domain & Range · 11

ANSWER

$2 < y \leq 17$

Finding Domain & Range · 14

ANSWER

$y \leq -4$

Finding Domain & Range · 13

ANSWER

5

Finding Domain & Range · 16

ANSWER

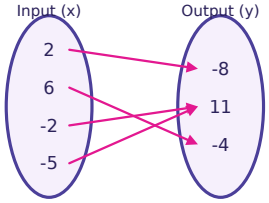
$-5, -2, -1, 5, 7$

Finding Domain & Range · 15

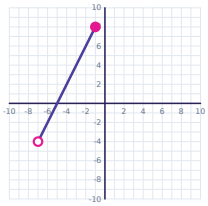
ANSWER

$y \geq -1$

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



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



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

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

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

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

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

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

Finding Domain & Range · 18

ANSWER

$-7 < x \leq -1$

Finding Domain & Range · 17

ANSWER

$-8, -4, 11$

Finding Domain & Range · 20

ANSWER

$x \leq 4$

Finding Domain & Range · 19

ANSWER

$2 \leq y < 7$

Finding Domain & Range · 22

ANSWER

$y \geq 1$

Finding Domain & Range · 21

ANSWER

-5

Finding Domain & Range · 24

ANSWER

$-8, -6, -4, 6, 9$

Finding Domain & Range · 23

ANSWER

$y \geq 9$