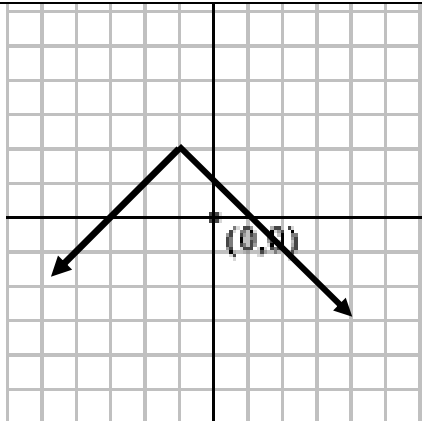


1. Which set of ordered pairs is *not* a function?

- A $\{(-2, 4), (4, 2), (2, 2), (1, 6)\}$
- B $\{(1, 5), (2, 4), (3, 3), (4, 4)\}$
- C $\{(2, 4), (3, 3), (4, 5), (5, 3)\}$
- D $\{(-2, 4), (1, 5), (2, 4), (1, 6)\}$

2. Which of these pairs of the form (x, y) could *not* lie on the graph of a function of x ?

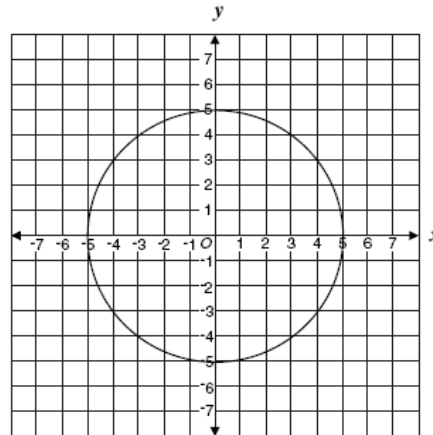
- A $(2, 2)$ and $(4, 2)$
- B $(2, 2)$ and $(3, 2)$
- C $(2, 2)$ and $(2, 3)$
- D $(2, 2)$ and $(3, 3)$



3. What is the apparent range of the function of x shown?

- A The set of all real numbers greater than or equal to -1
- B The set of all real numbers less than or equal to 2
- C The set of all real numbers greater than or equal to 2
- D The set of all real numbers

4. Loki said the following graph does *not* represent a function of x .



Which pair of points could Loki use to prove that her statement is correct?

- A $(-3, 4)$ and $(4, -3)$
- B $(-3, 4)$ and $(3, 4)$
- C $(-4, 3)$ and $(-4, -3)$
- D $(5, 0)$ and $(-5, 0)$

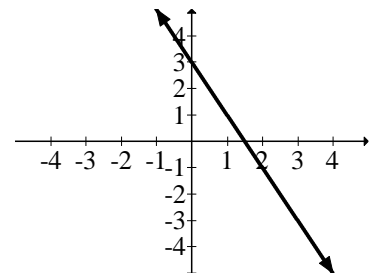
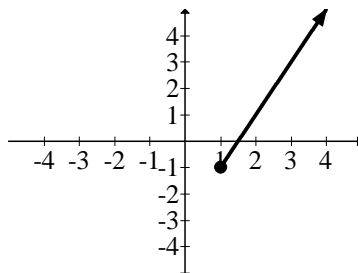
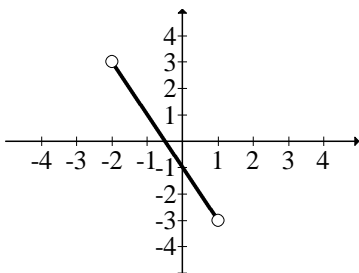
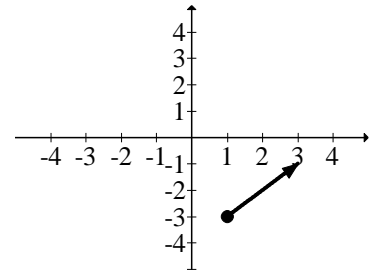
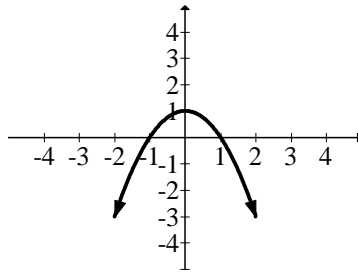
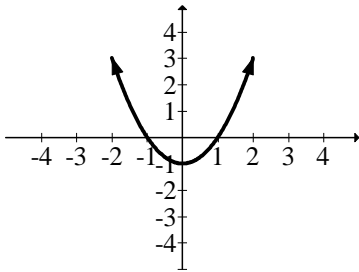
5. What is the range of the function $f(x) = \frac{1}{2}x + 7$ when the domain is $\{2, 4, 6\}$

- A $\{3, 5, 7\}$
- B $\{4, 6, 8\}$
- C $\{8, 9, 10\}$
- D $\{-4, 0, 4\}$

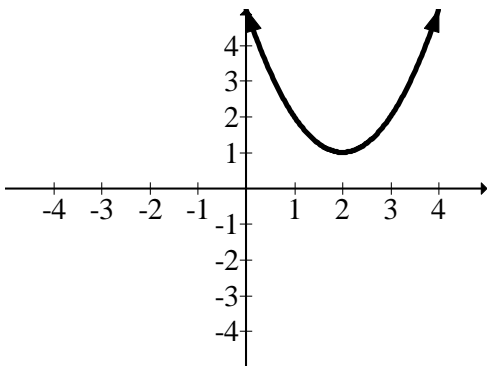
6. The ordered pairs in the sets shown below are of the form (x, y) . In which set is y a function of x ?

- A $\{(2, 4), (3, 7), (4, 2), (7, 4)\}$
- B $\{(2, 4), (4, 2), (4, 3), (5, 4)\}$
- C $\{(2, -3), (2, 0), (2, 6), (2, 8)\}$
- D $\{(0, 4), (2, 5), (3, 5), (3, 9)\}$

7. Select the graph has a range of $\{y|y \geq -1\}$? Circle all that apply.



8. Find the domain and range of the function.



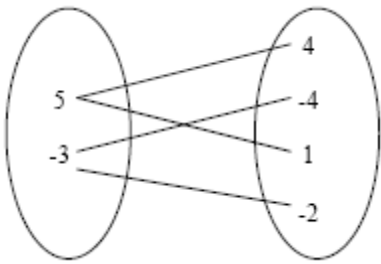
Domain: _____

Range: _____

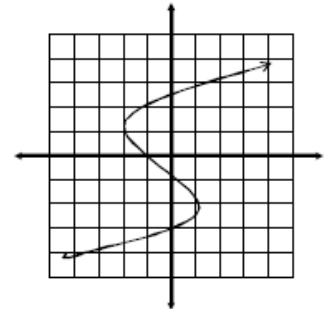
Answer Bank

$\{y y < 4\}$	$\{y y \in R\}$
$\{x x \in R\}$	$\{x x \geq 2\}$
$\{x x < 4\}$	$\{y y \geq 2\}$
$\{x x \geq 1\}$	$\{y y \geq 1\}$

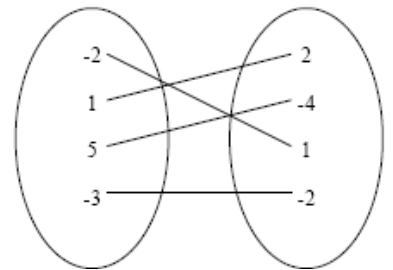
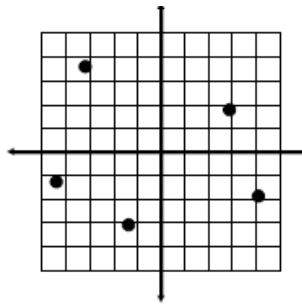
9. Which relations are functions? Circle all functions.



<u>X</u>	1	2	3	4
<u>Y</u>	4	-2	5	-3

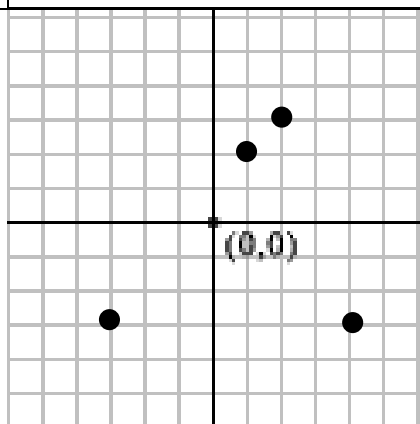


<u>X</u>	0	4	7	6
<u>Y</u>	1	1	1	1



{ (5, 5), (4, 4), (3, 3), (2, 2) }

{ (0, 2), (0, 4), (0, 6), (0, 8) }



10. What is the apparent range of the relation shown on the grid?

- A { -3, 2, 3, 4 }
- B { -3, 1, 2, 3 }
- C { -3, 1, 2, 4 }
- D { -3, 2, 3 }

11. Which does *not* represent a function of x ?

