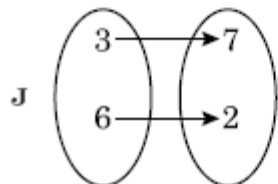
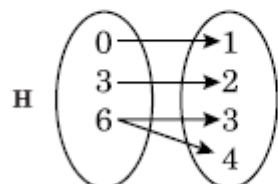
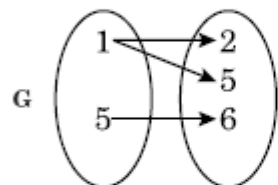
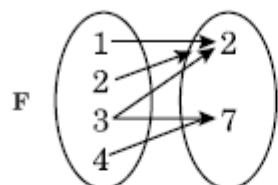
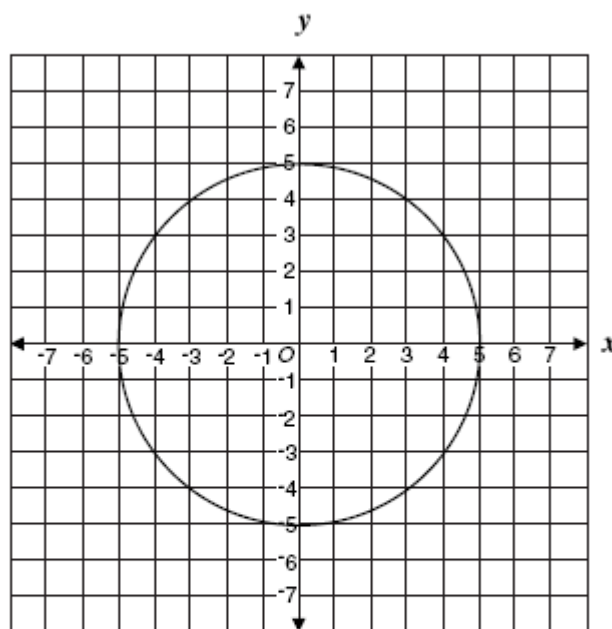


1 Which of these data sets represents a function?



2 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 $(-3, -4)$
- B $(-4, 3)$ and $(4, 3)$
- C $(-3, 4)$ and $(4, -3)$
- D $(-5, 0)$ and $(5, 0)$

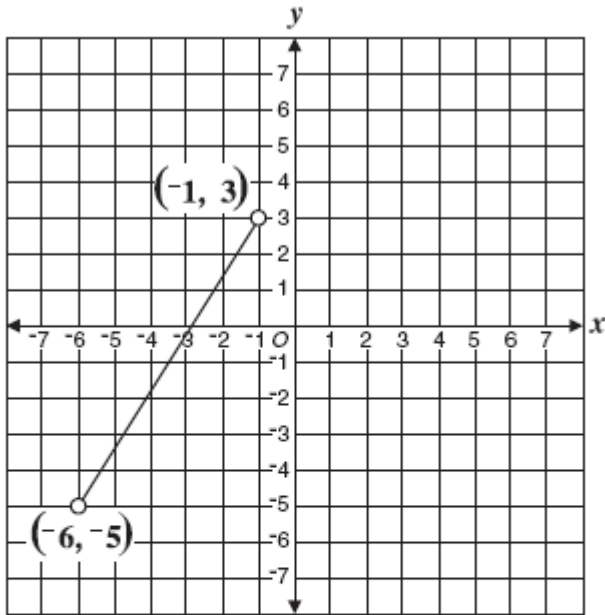
3 Which set of ordered pairs is *not* a function?

- F $\{(-2, 3), (4, 1), (2, 1), (1, 5)\}$
- G $\{(1, 4), (2, 3), (3, 2), (4, 3)\}$
- H $\{(2, 3), (3, 2), (4, 4), (5, 2)\}$
- J $\{(-2, 3), (1, 4), (2, 3), (1, 5)\}$

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

- F $\{-6, -2, 2\}$
- G $\{6, 7, 8\}$
- H $\{2, 4, 6\}$
- J $\{1, 3, 5\}$

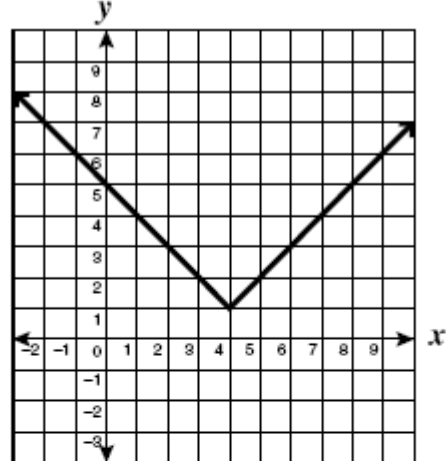
5



What is the range of the function of x graphed above?

- F {all real numbers < 3 }
- G {all real numbers < -1 }
- H {all real numbers between -6 and -1 }
- J {all real numbers between -5 and 3 }

6



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

- F The set of all real numbers greater than or equal to 4
- G The set of all real numbers greater than or equal to 1
- H The set of all real numbers less than or equal to 1
- J The set of all real numbers

7

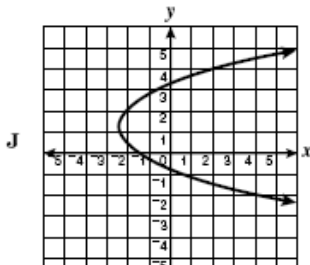
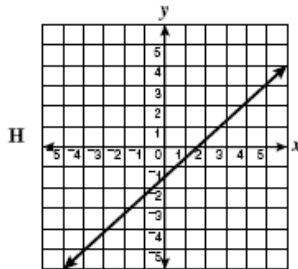
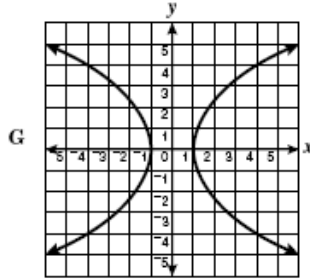
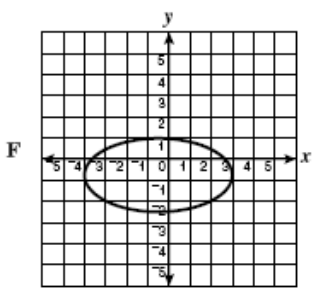
Which of these pairs of the form (x, y) could *not* lie on the graph of a function of x ?

- F $(1, 1)$ and $(3, 1)$
- G $(1, 1)$ and $(2, 1)$
- H $(1, 1)$ and $(1, 2)$
- J $(1, 1)$ and $(2, 2)$

8. The elements of a function of x are $(-4, 1)$, $(-2, 0)$, and $(8, -1)$. What is the range of the function?

- F $\{-1, 1\}$
- G $\{-1, 0, 1\}$
- H $\{-4, -2, 8\}$
- J $\{-4, -2, -1, 0, 1, 8\}$

9 Which of the following represents the graph of a function?



10 Which of the following tables does *not* represent a function?

A

x	$f(x)$
2	7
3	10
5	16
8	25

B

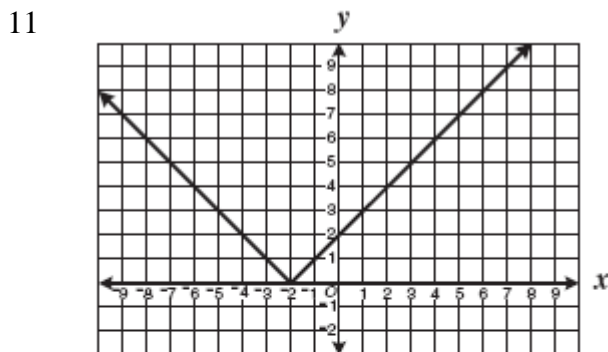
x	$f(x)$
1	2
7	2
-4	2
-5	2

C

x	$f(x)$
36	6
36	-6
25	5
25	-5

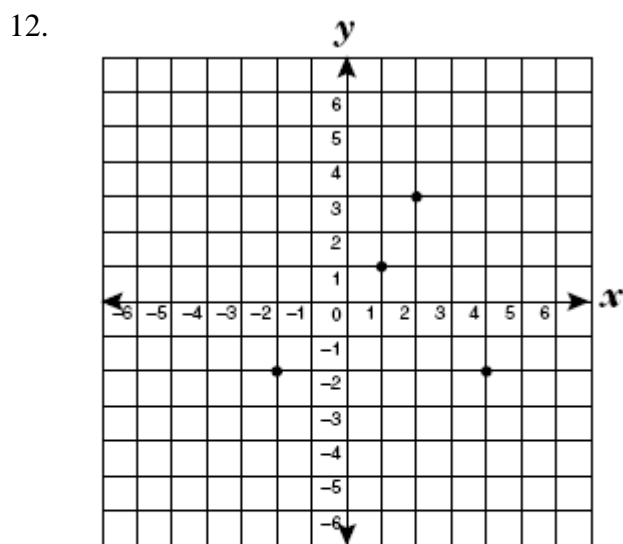
D

x	$f(x)$
0	36
2	38
9	45
20	56



What is the domain of the function shown?

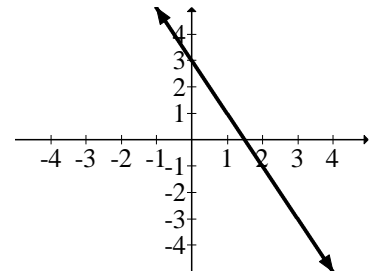
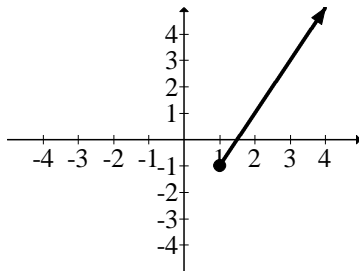
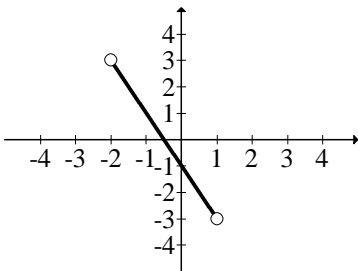
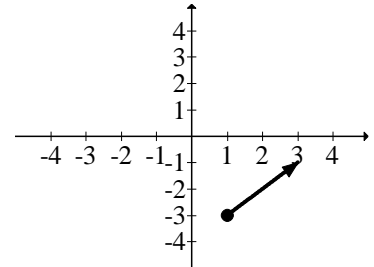
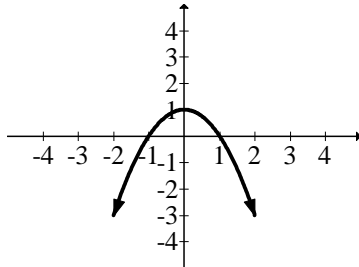
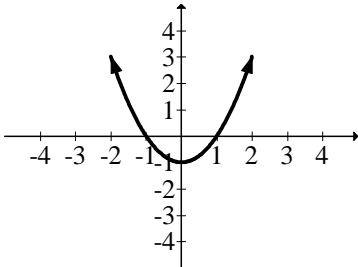
- F {All real numbers greater than zero}
- G {All real numbers}
- H {All real numbers less than -2}
- J {All real numbers greater than -2}



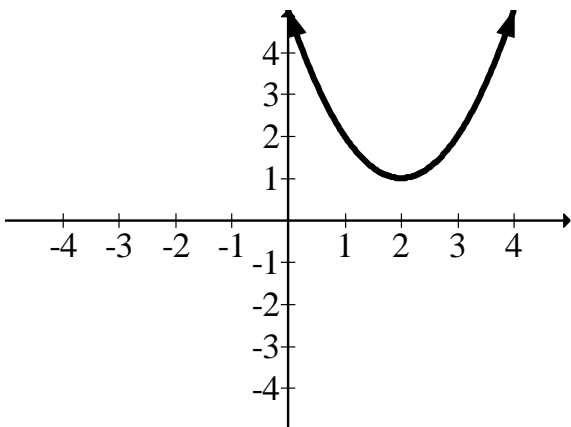
What is the apparent range of the relation shown on the grid?

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

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



14. Find the domain and range of the function.



Answer Bank

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

Domain: _____

Range: _____