

Algebra Quick Quiz 10252019

Question 1.

The numbers in this table follow a linear pattern.

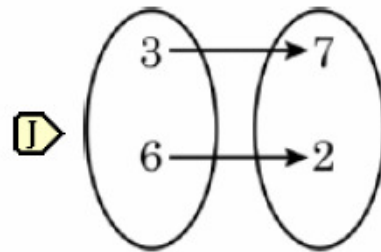
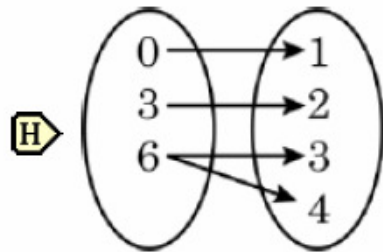
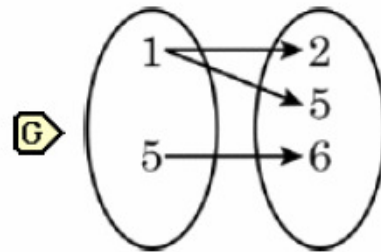
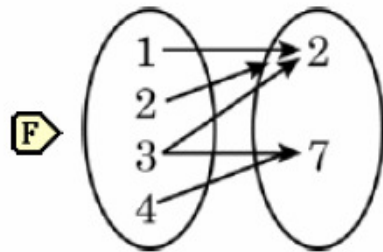
p	w
-3	14
-2	11
-1	?
0	5
1	2
2	-1

What is the missing value?

- F 7
- G 8
- H 9
- I 10

Question 2

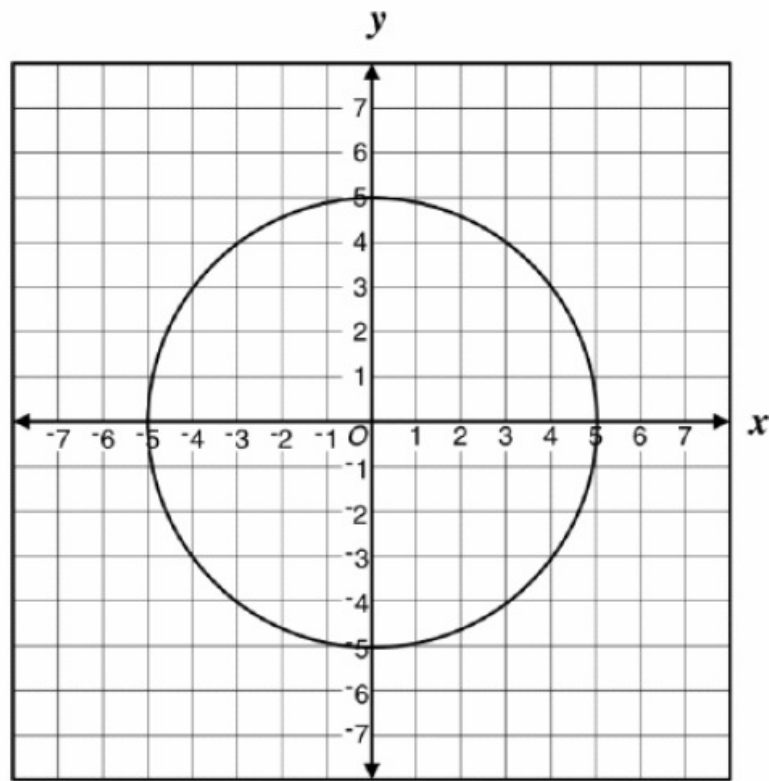
Which of these data sets represents a function?



No answer selected

Question 3.

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

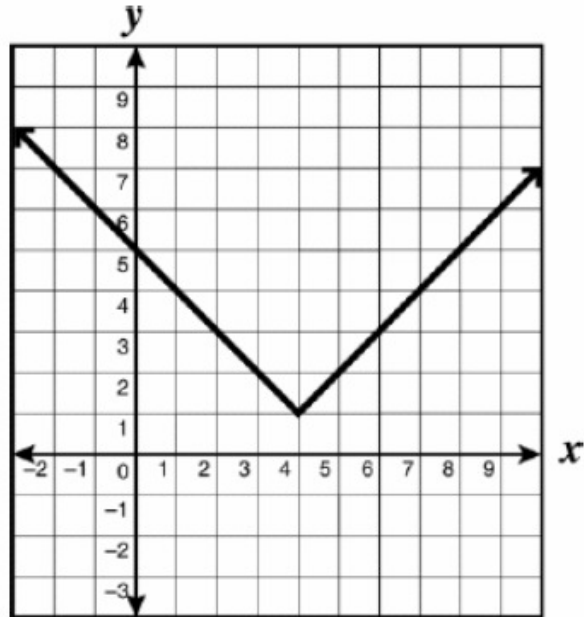


Which pair of points could Loki use to prove that her statement is correct?

- F $(-3, 4)$ and $(-3, -4)$
- G $(-4, 3)$ and $(4, 3)$
- H $(-3, 4)$ and $(4, -3)$
- J $(-5, 0)$ and $(5, 0)$

Question 4.

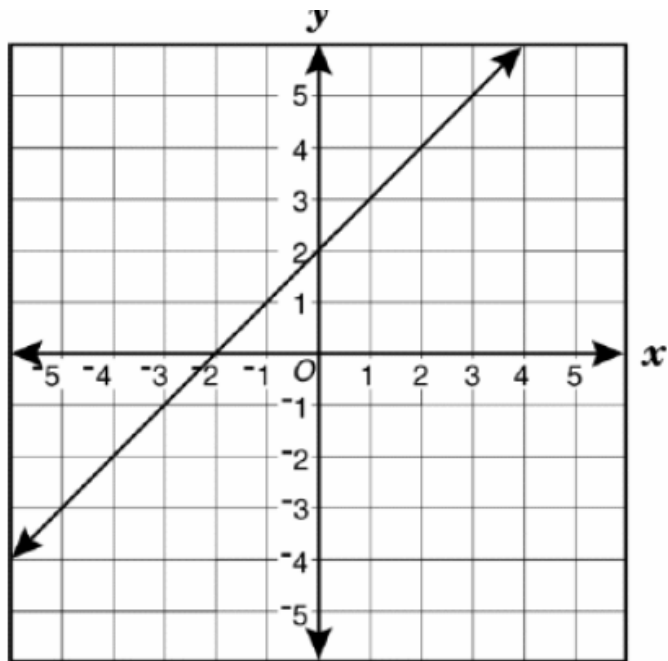
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What is the apparent range of the function of x shown?

- 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

Question 5.



Which equation best describes this graph?

F $y = -x$

G $y = 2x + 2$

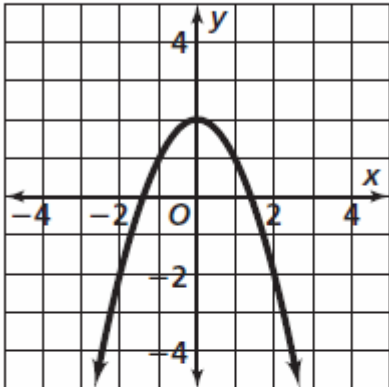
H $y = x - 2$

J $y = x + 2$

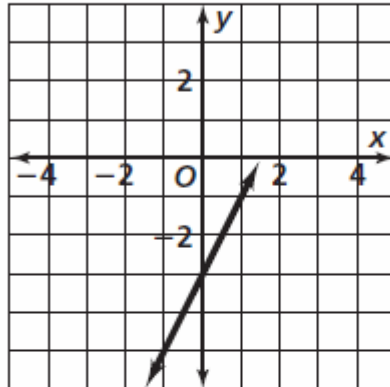
Question 6.

Which is not the graph of a function?

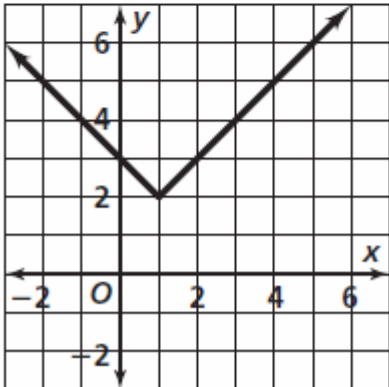
A



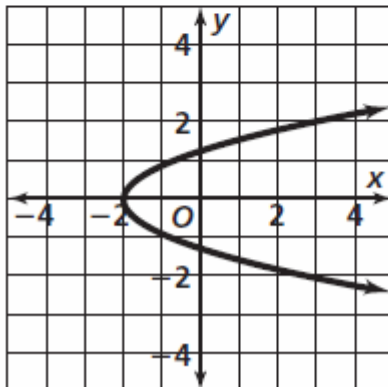
C



B



D



Question 7.

Which table of values represents a function?

A

x	-2	0	1	2
y	0	-2	-3	-4

B

x	0	0	0	0
y	0	1	2	3

C

x	3	3	2	0
y	1	5	5	-3

D

x	6	4	6	-1
y	0	3	2	-2

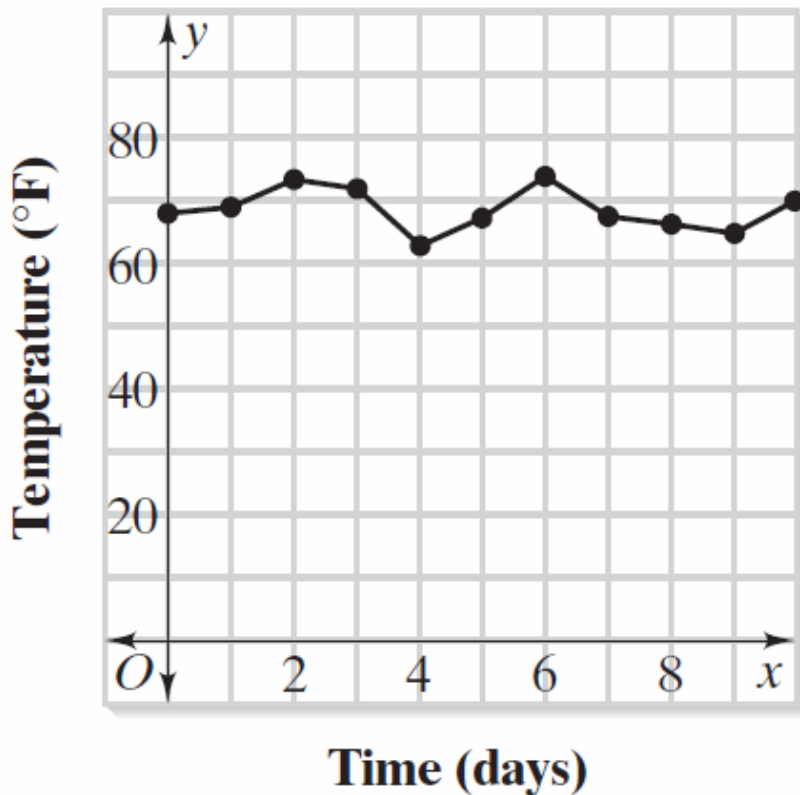
Question 8.

Choose the description of a graph of a function.

- A** The graph of a function is a drawing that represents its solution set.
- B** The graph of a function is a drawing that represents only its domain.
- C** The graph of a function is a drawing that represents only its range.
- D** The graph of a function is a drawing that represents only its midpoint.

Question 9.

- . The graph below shows recorded temperature highs for Austin, Texas, for several days in January.



Which inequality best approximates the range of this function?

A $1 \leq y \leq 15$

C $60 \leq y \leq 80$

B $0 \leq y \leq 75$

D $61 \leq y \leq 75$

Question 10.

Find the domain d and range r of the relation.

x	y
-2	3
6	1
-1	3
3	4
-2	1

- A** $d = \{3, 1, 4\}; r = \{-2, 6, -1, 3\}$
B $d = \{1, -5, 2, 1, -1\}; r = \{1, 3, 4\}$
C $d = \{-2, -1, 3, 6\}; r = \{1, 3, 4\}$
D $d = \{-1, 3, 6\}; r = \{1, 4\}$