

Review Game!

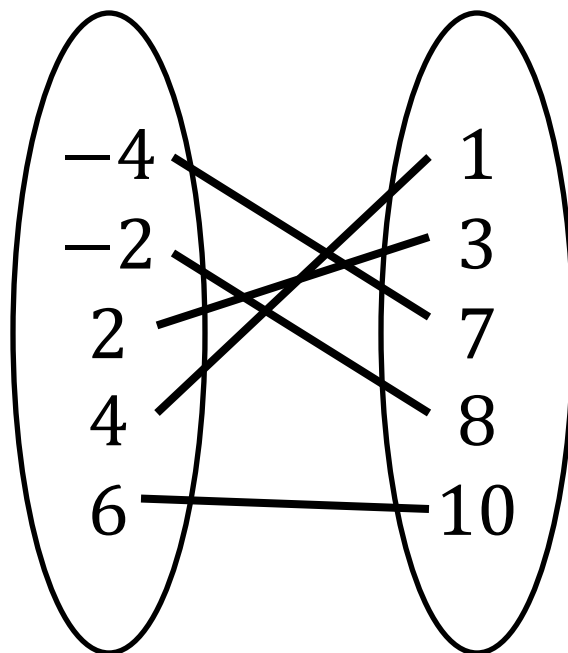
Is it a function?

x	y
-1	3
5	2
7	1
9	2
14	3

Is it a function?

$$\{(2,3), (4,5), (-3,8), (-2,3)\}$$

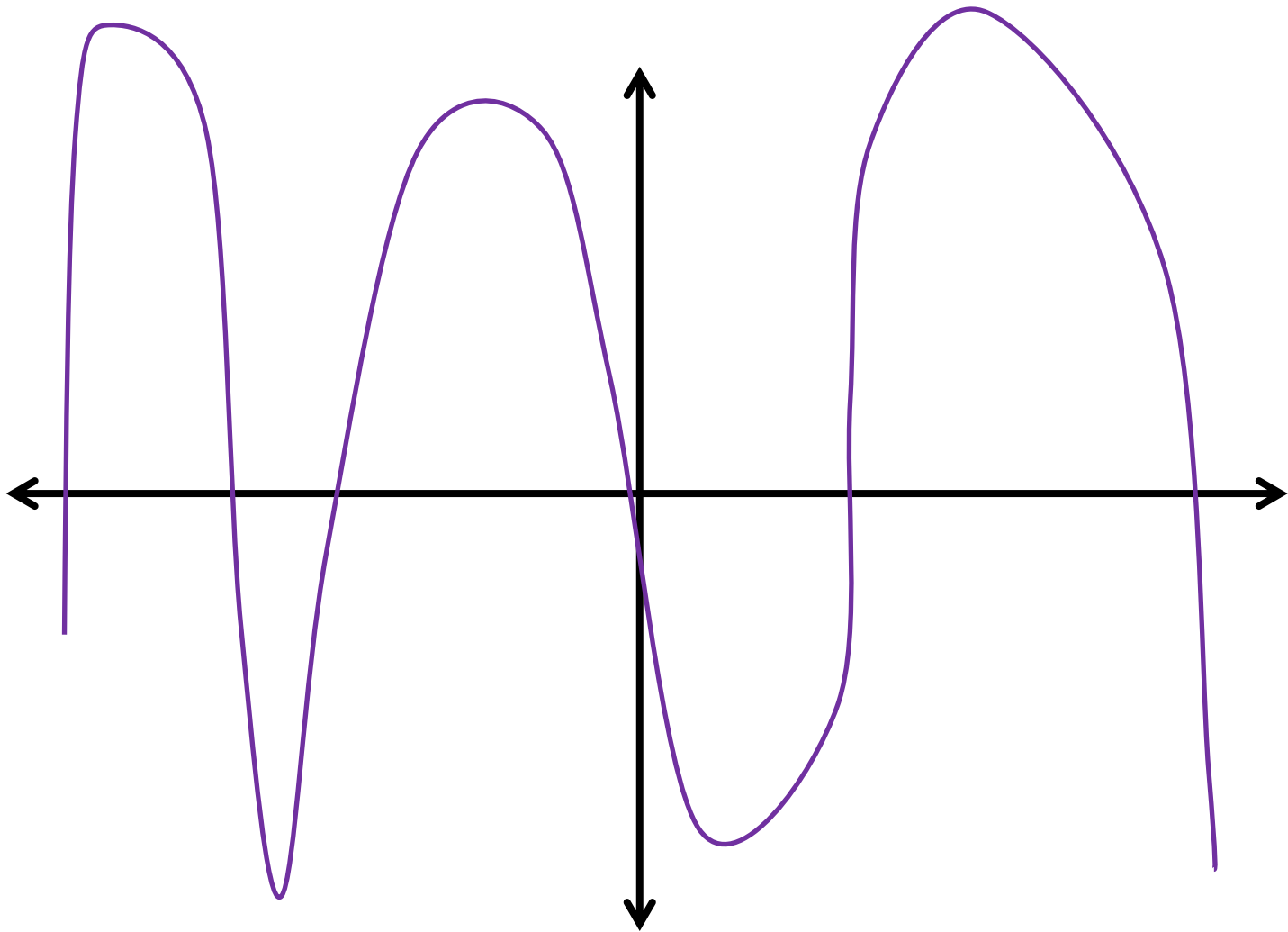
Is it a function?



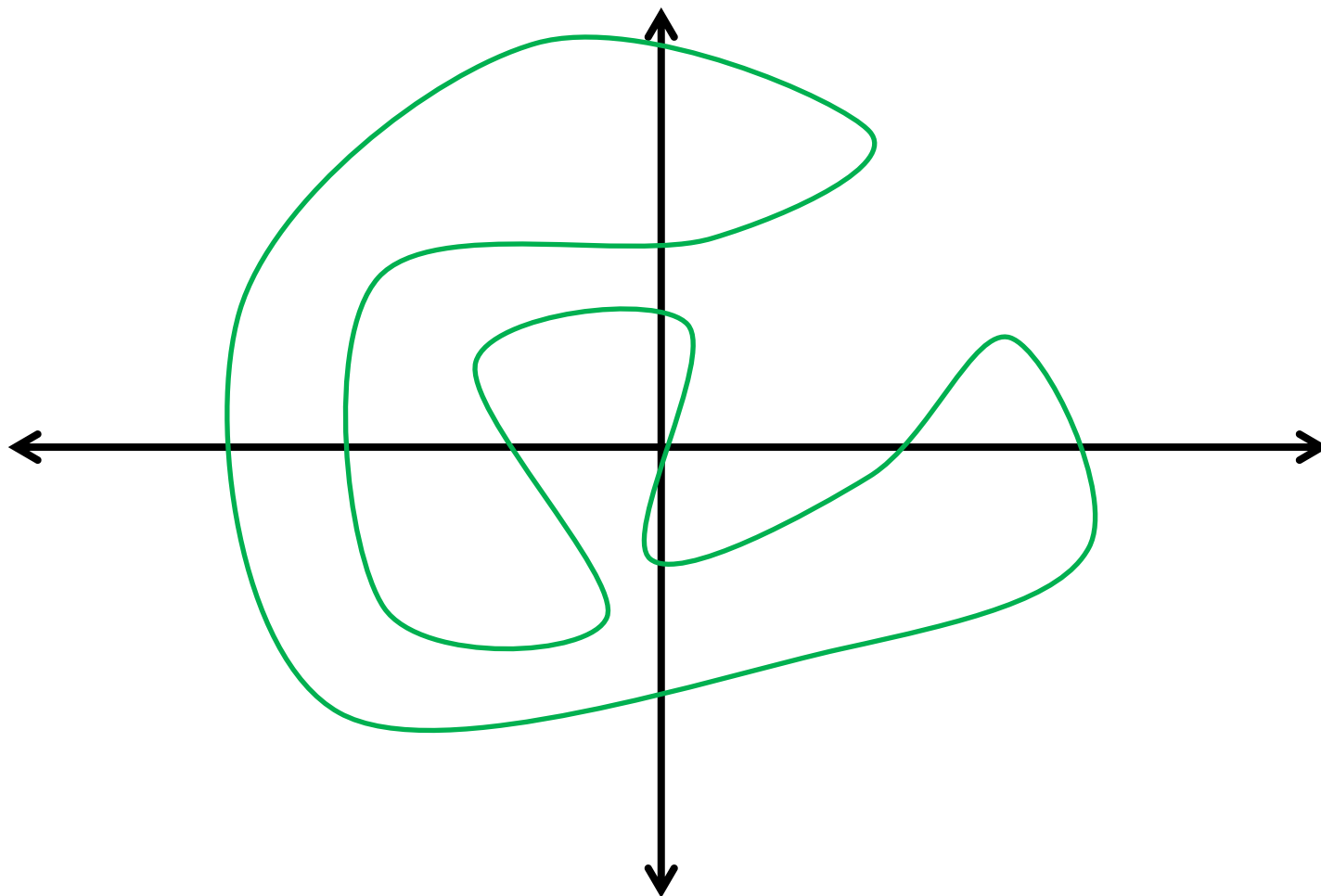
Is it a function?

x	y
-1	7
-1	8
2	9
3	10
7	11

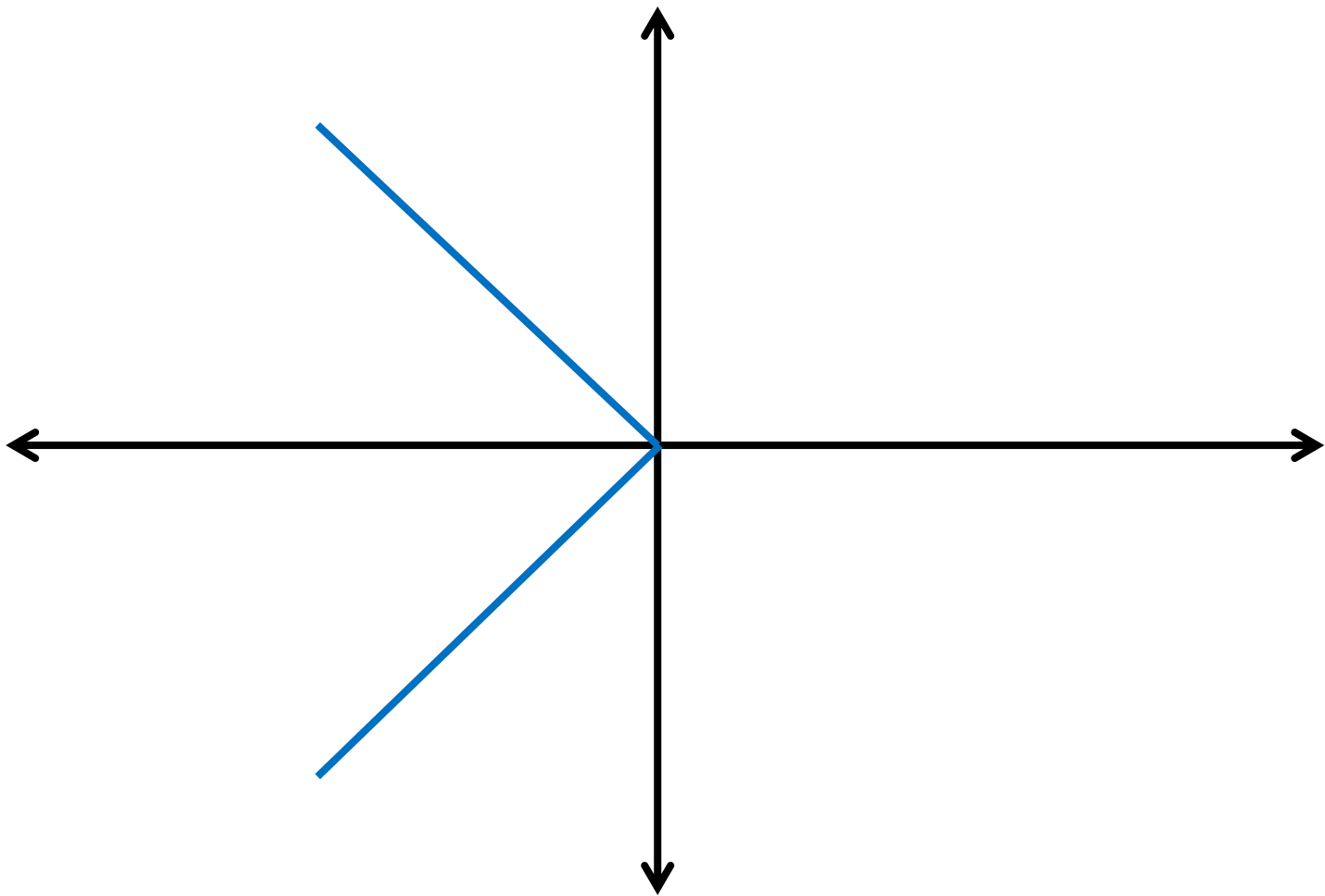
Is it a function?



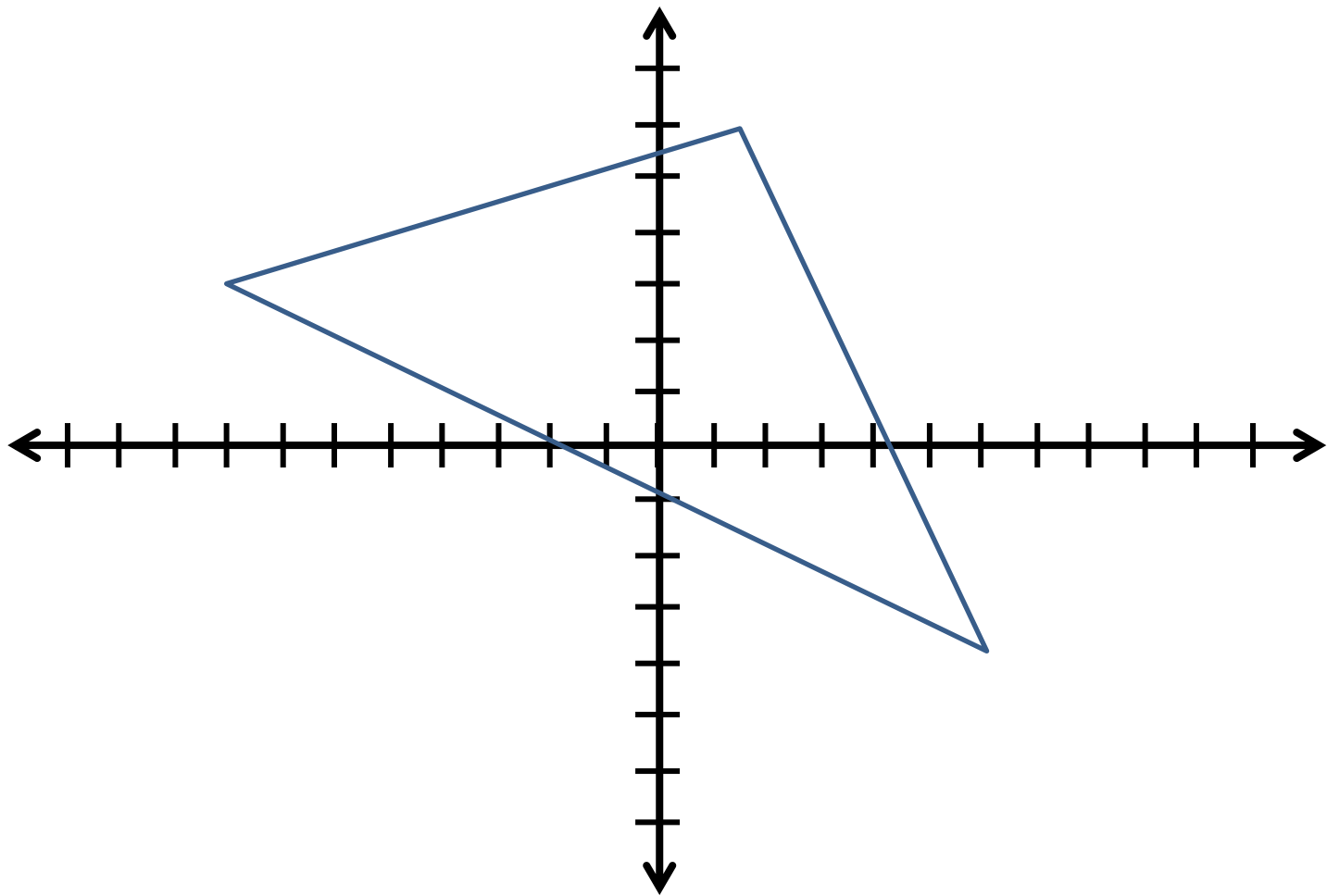
Is it a function?



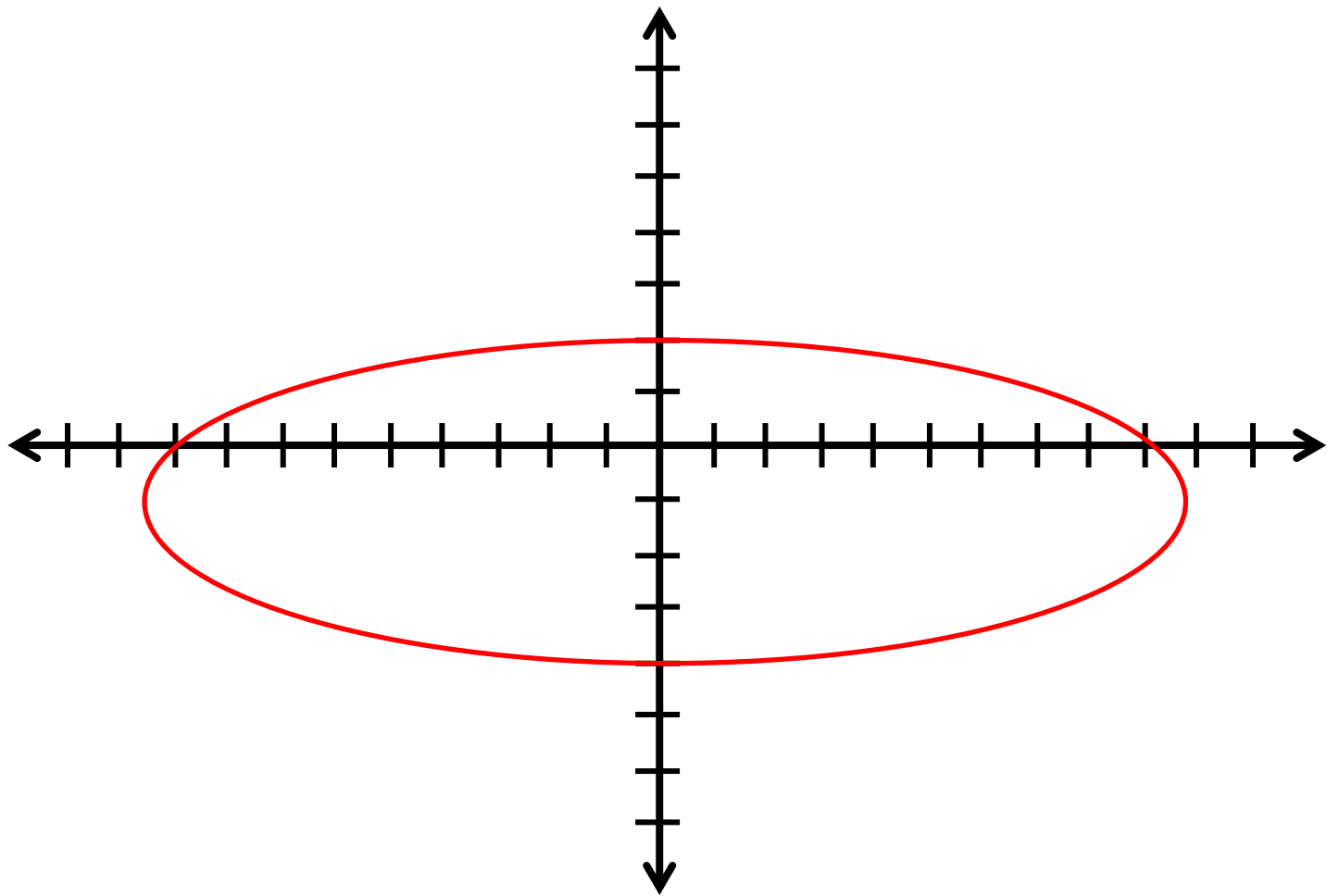
Is it a function?



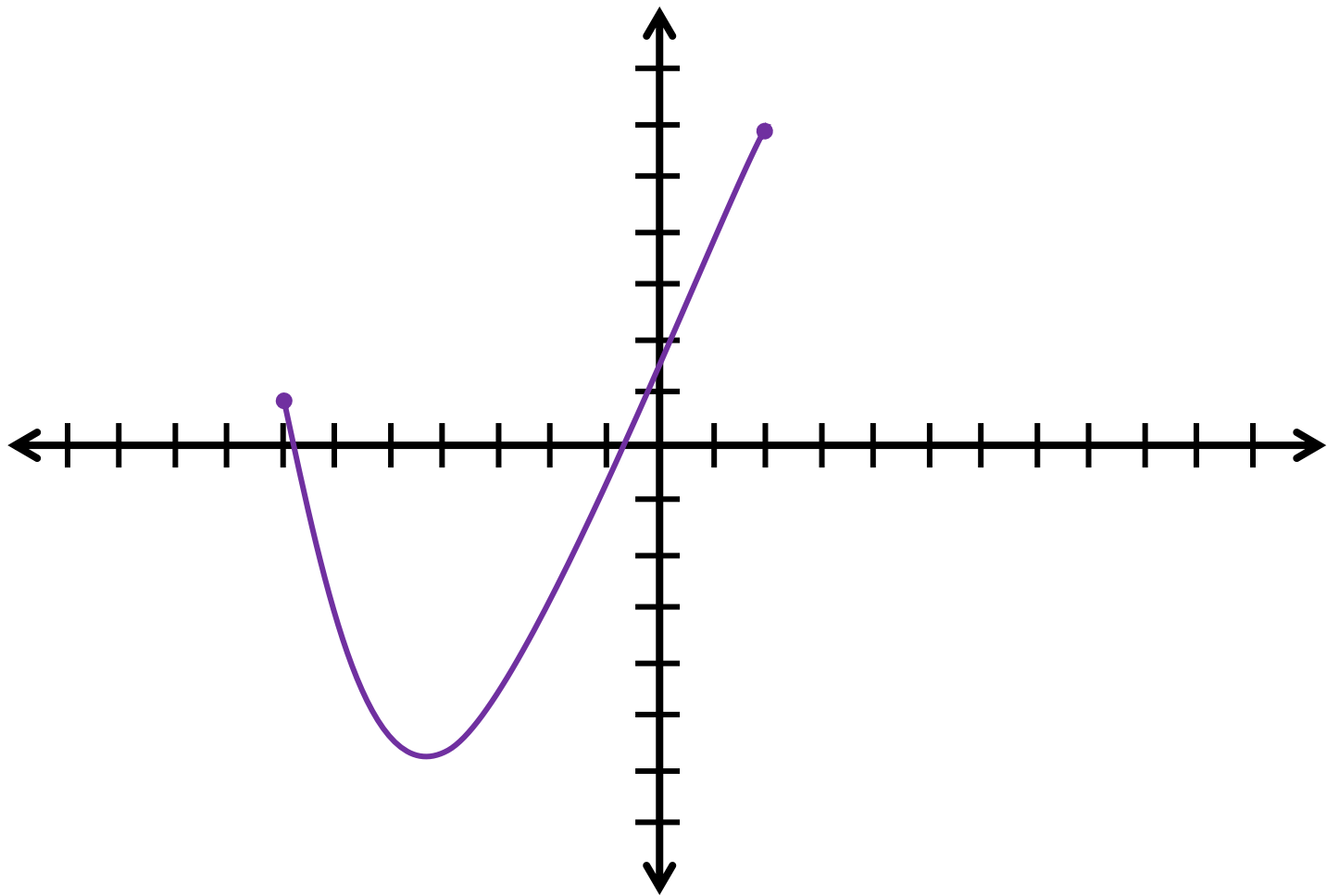
What is the **domain** of the graph?



What is the **range** of the graph?



What is the Domain and Range?



What type of sequence is it?

$-17, -10, -3, 4, 11, \dots$

What type of sequence is it?

1, 2, 4, 8, 16, ...

What type of sequence is it?

- $a_1 = -52, \quad a_n = 2a_{n-1}$

Find the explicit rule for the sequence

2 , 5 , 8 , 11 , 14, ...

Find the Explicit rule for the sequence

4, 13, 28, 49, ...

Determine the recursive rule

$$-2, 4, -8, 16, -32, \dots$$

Evaluating

- $f(x) = 3x - 7$, Find $f(2)$

Evaluating

- $f(x) = 2x^2 + 4$, for $f(-1)$

Word Problem

- Rachel is on her way home from vacation. The equation $5x + y = 40$ represents Rachel's trip home, where x represents time in hours and y represents distance in miles.

Find the intercepts of the graph and explain what they mean.

Word Problem!

- Frank makes 400 dollars a week selling cars, but he also makes \$200 commission per car that he sells.

Determine the Domain of the answer.

Word Problem

- Johnny is going to see a movie. The ticket costs 9 dollars and snacks cost 5 dollars each. Johnny wants to buy a lot of snacks.

Determine the independent and dependent variables for the problem.

Analyze the graph!

Write a brief Statement summarizing the graph below.

