

# CARTESIAN PLANE

DATE:\_\_\_\_\_

INDICATOR: To locate a figure or an object on  
a coordinate system based on conditions.

Fifth grade  
Math

# Warm-up!

Let's watch the next video

<https://www.youtube.com/watch?v=qcb-mcREli0>

<https://www.youtube.com/watch?v=LqrHvGAaNDI&t=1s>



# THE CARTESIAN PLANE

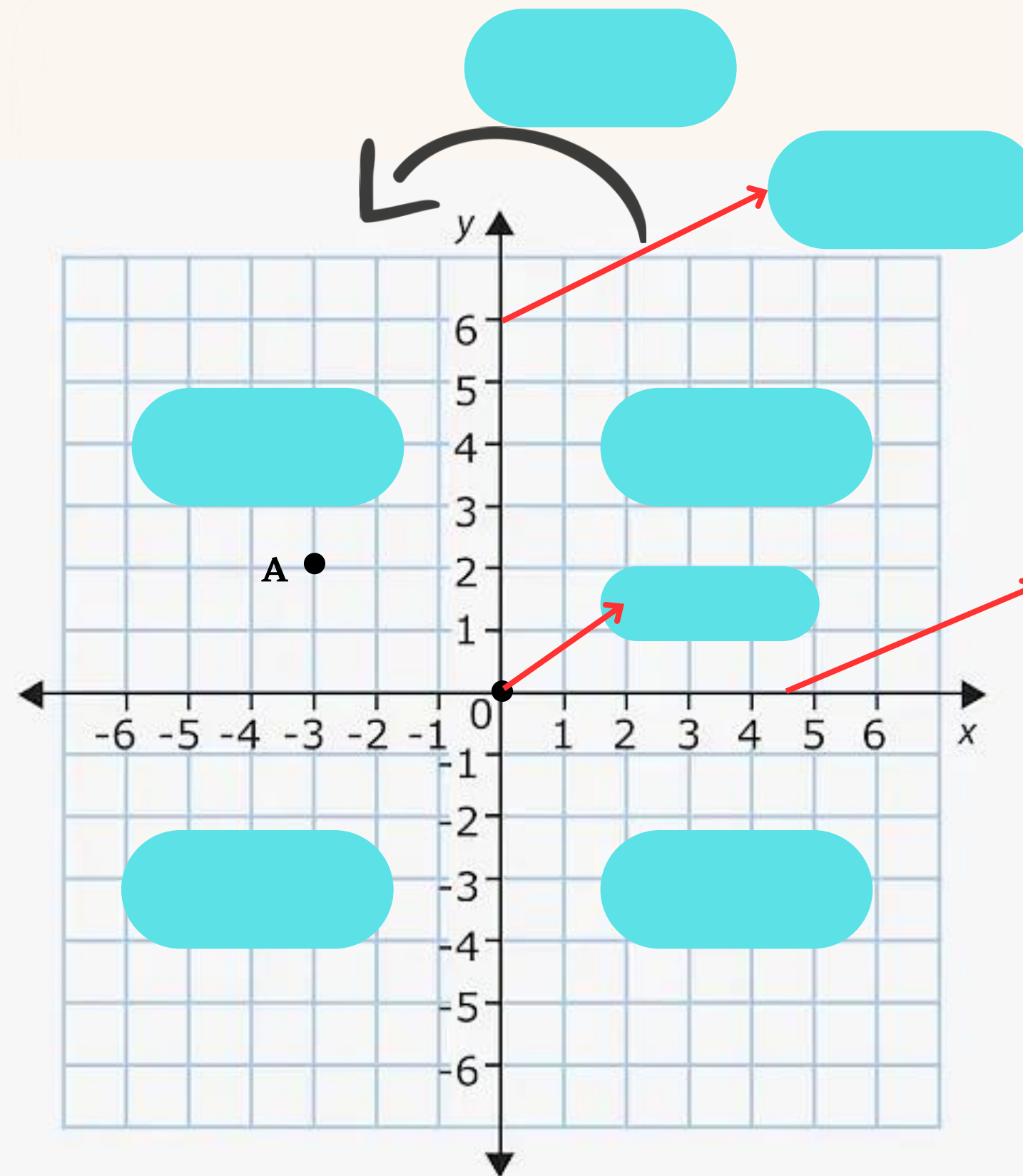
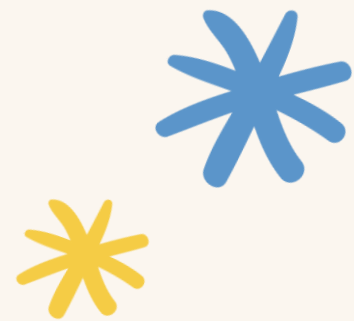
\* It is a two-dimensional geometric place made up of a horizontal x-axis and a vertical y-axis.

The axes intersect at the origin, which is the point  $(0, 0)$ .

The Cartesian plane is used to locate points on the plane using a pair of numbers, called an ordered pair or coordinates.

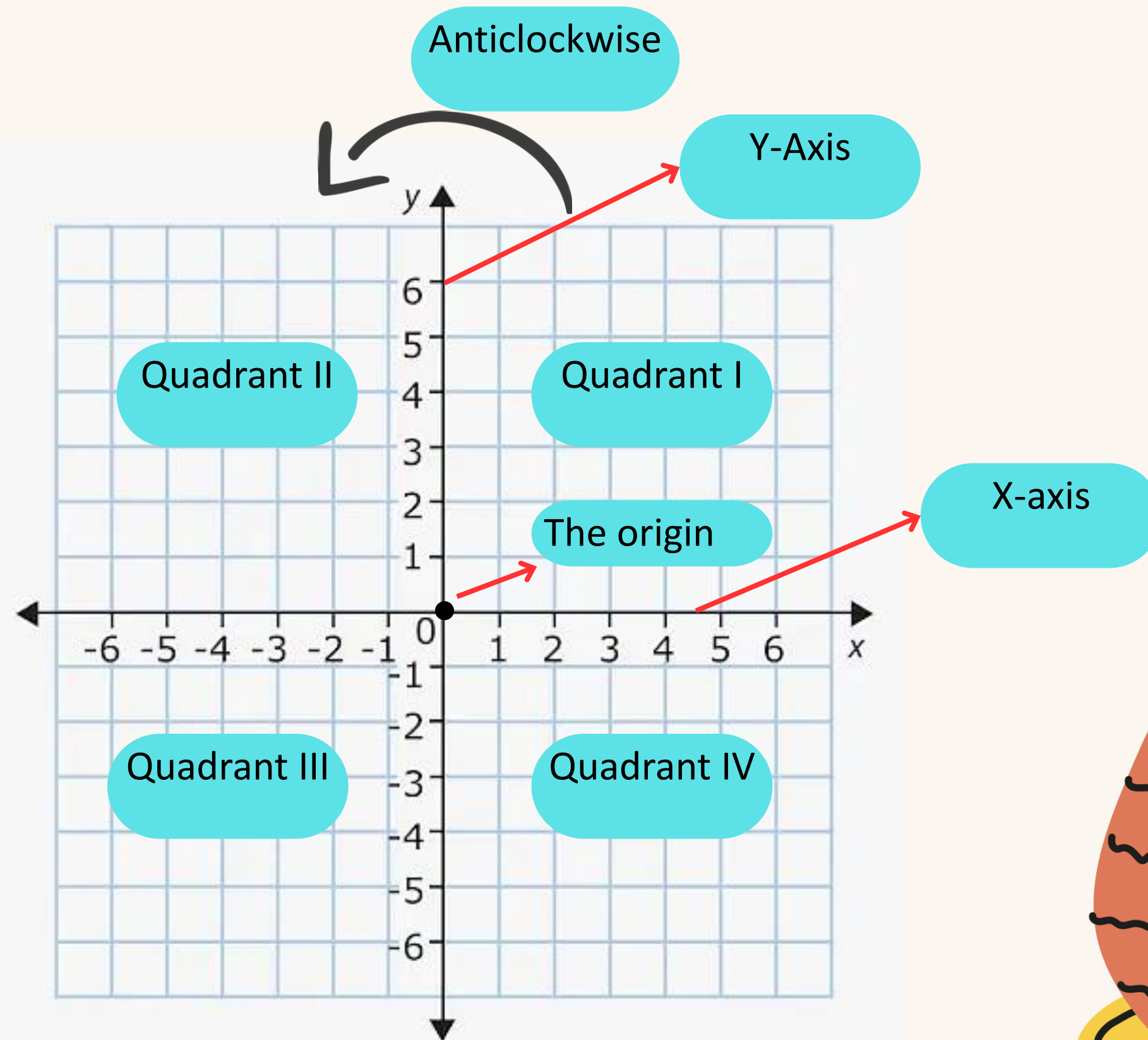


# Activity.





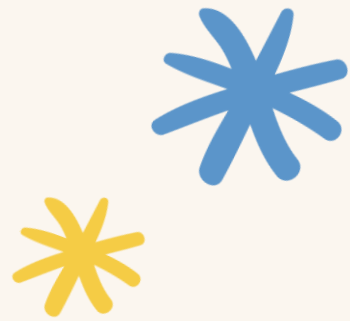
# Activity.



# WRAP-UP!

Identify the quadrants

<https://www.geogebra.org/m/xpTk3wBe>



The background features large, soft-edged, light beige abstract shapes. Scattered around the central text are various math-related icons: a red asterisk and a blue asterisk in the top left; a yellow pencil with a blue eraser and a blue band on the left; a red and blue geometric solid (resembling a cube or prism) below the pencil; a large orange set square and a yellow semi-circular protractor on the right; a blue curved ruler below the protractor; and a red asterisk in the bottom right.

# CARTESIAN PLANE (2<sup>nd</sup> Hour)

DATE:\_\_\_\_\_

INDICATOR: To locate a figure or an object on  
a coordinate system based on conditions.

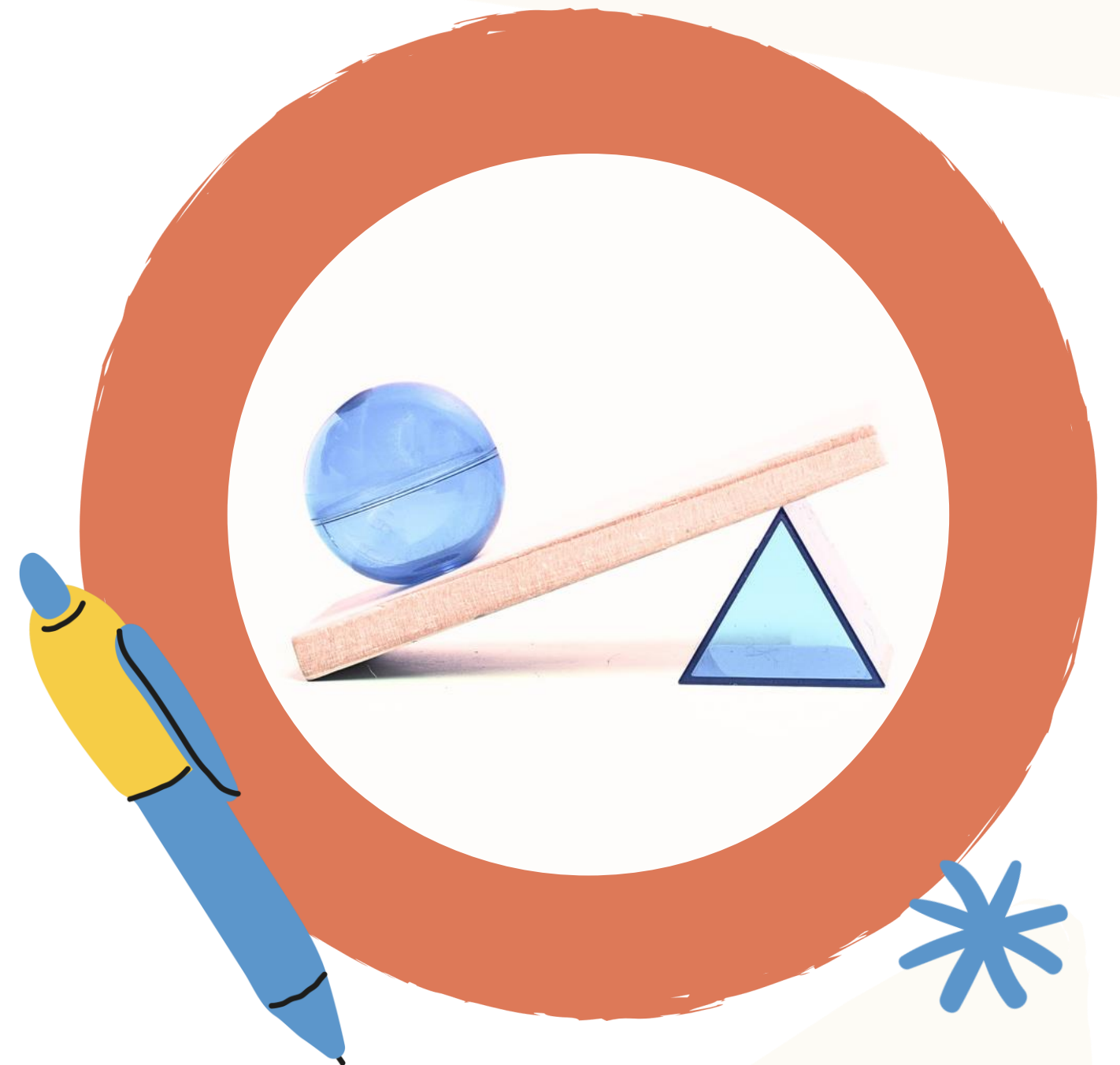
Fifth grade  
Math

# Warm-up!

## QUESTIONS:

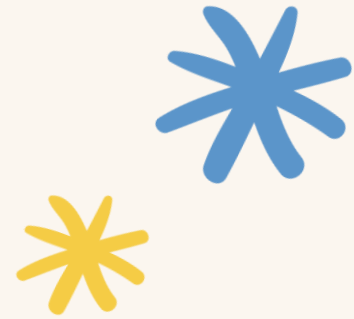
what is an ordered pair?

How to plot an ordered pair  
on a coordinate plane?





# ORDERED PAIRS



Watch the video

[https://www.youtube.com/watch?v=f2\\_6n81cSUQ](https://www.youtube.com/watch?v=f2_6n81cSUQ)



## Ordered Pair

**(4, 5)**

*y - coordinate*

*x - coordinate*

The first number in an ordered pair is the x - coordinate, and the second number is the y - coordinate.



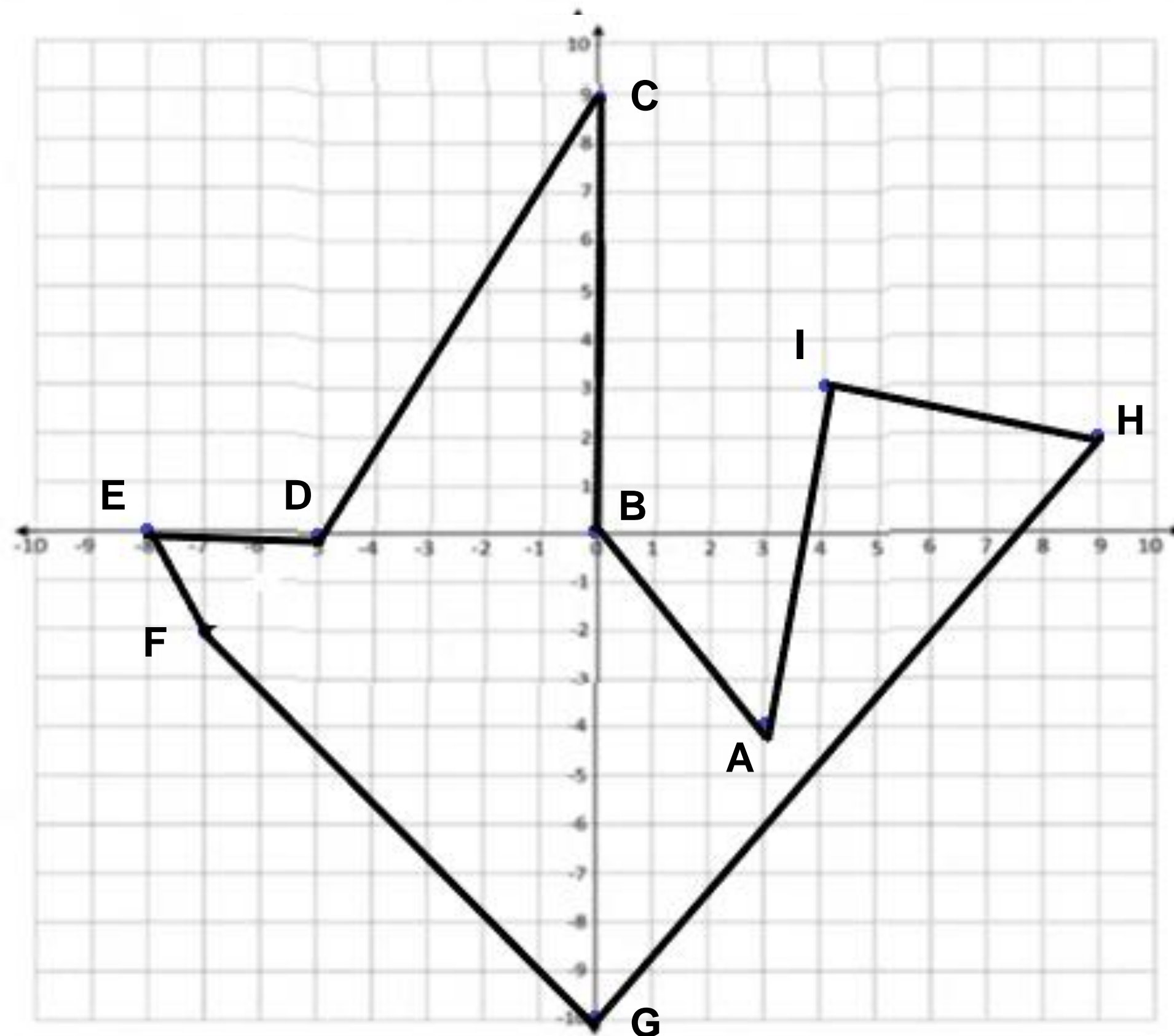


# Activity.

Plot the following ordered pairs on the coordinate plane, join them and name the figure formed.

- A (3,-4)
- B (0,0)
- C (0,9)
- D (-5,0)
- E (-8,0)
- F (-7,-2)
- G (0,-10)
- H (9,2)
- I (4,3)

Irregular nonagon



## Daily Assessment

- A. (0,0)
- B. (5,0)
- C. (0,9)
- D. (3,4)
- E. (4,3)
- F. (7,2)
- G. (5,6)
- H. (9,8)
- I. (2,1)
- J. (4,3)
- K. (6,5)
- L. (8,7)
- M. (10,2)
- N. (3,8)
- O. (1,5)
- P. (0,6)
- Q. (1,0)



# WRAP-UP!

Ordered pairs:

<https://www.geogebra.org/graphing?lang=es>

