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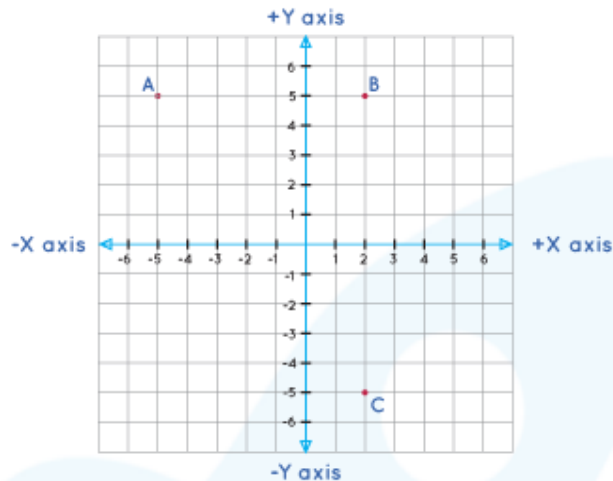
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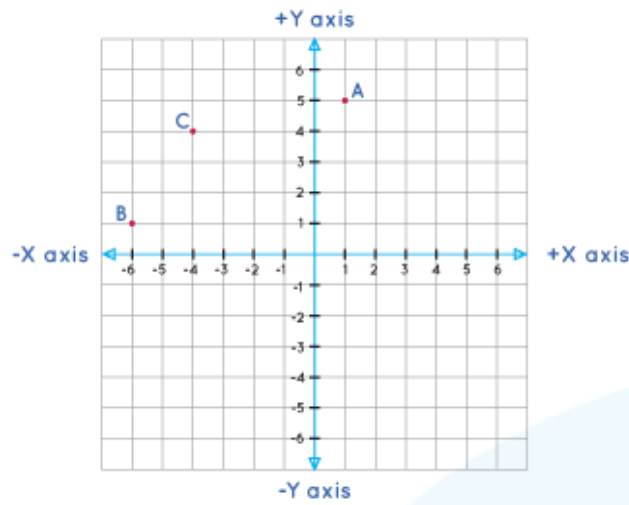
## GRAPHING COORDINATES WORKSHEETS-III

Answer Q.1, Q.2, Q.3, Q.4 and Q.5 using the graph given below:



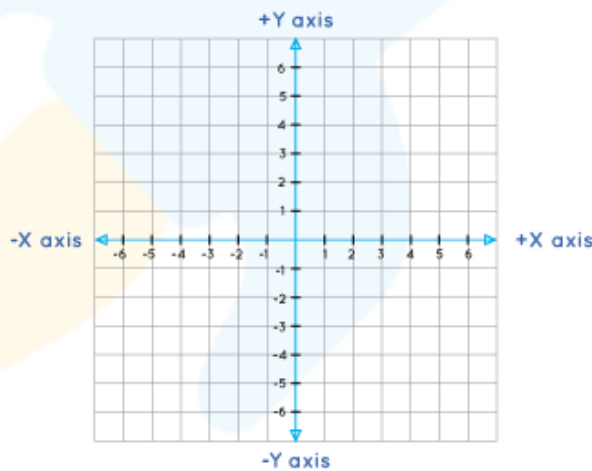
- 1) Write down the coordinates of A, B and C?
- 2) Name the quadrants in which points A, B, and C lie?
- 3) What is the figure initially formed by joining the points.
- 4) Plot the fourth point D such that all the 4 points form a rectangle.
- 5) What are the coordinates of point D?
- 6) Plot the coordinates given below in the plane:
  - a)  $(-1, -3)$
  - b)  $(4, 2)$
- 7) Write true or false for the given statements in the box given against each.
  - a) In the Cartesian plane, the horizontal line is called Y-axis.
  - b)  $(-5, -7)$  lies in the fourth quadrant.

8) Find out which point is located at which coordinate.



- a)  $(-4, 4)$  -
- b)  $(-6, 1)$  -
- c)  $(1, 6)$  -

Use the following graph to answer Q.9 and Q.10.



9) Plot a line joining points  $(5, 5)$  and  $(5, -5)$ .

10) Find the intersection point of this line with the x-axis.

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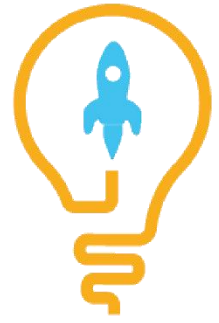
- Kirk Riley

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**ANSWERS**

1)	A(-5, 5), B(2, 5), C(2, -5)
2)	II, I, IV
3)	Right angled triangle
4)	
5)	D(-5, -5)
6)	
7)	False, False
8)	a) C, b) B, c) A
9)	
10)	(5, 0)

## FUN FACT

1. The idea of this system was developed in 1637 in two works by Descartes.
2. The name **Cartesian** comes from the French mathematician and philosopher René Descartes , who worked to merge algebra and Euclidean geometry.
3. **Cartesian coordinate system** is a coordinate system used to place points on a Cartesian plane using two numbers, usually called the *x-coordinate* and the *y-coordinate*.

