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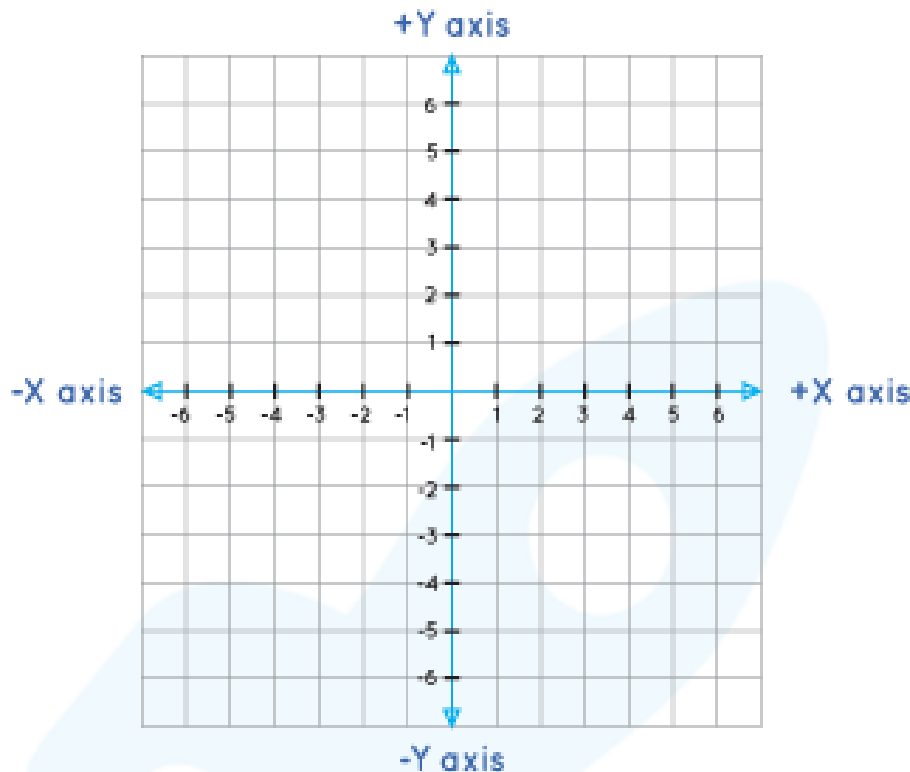
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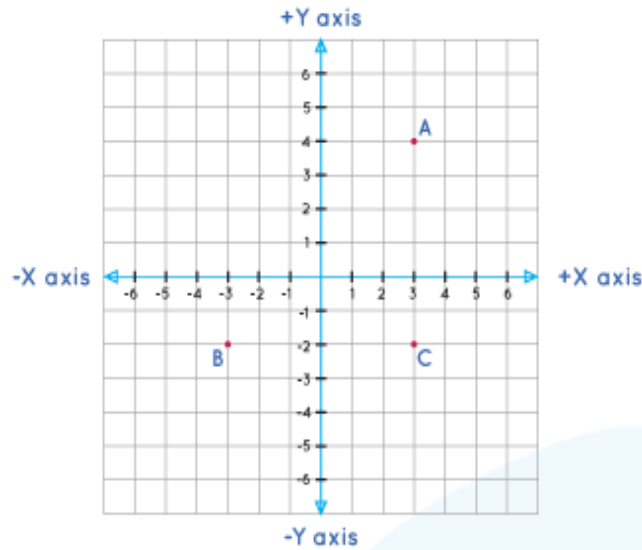
GRAPHING COORDINATES WORKSHEETS-IV

Use the following graph to answer Q.1 and Q.2.



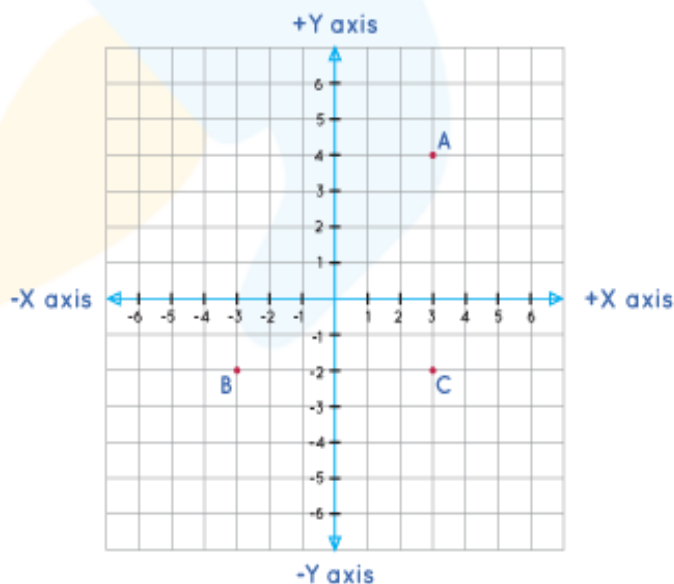
- 1) Plot a line joining points $(2, 0)$ and $(-2, 4)$.
- 2) Find the intersection point of this line with the y-axis.
- 3) Plot the coordinates given below in the plane:
 - a) $(5, -2)$
 - b) $(1, 3)$
- 4) Write true or false for the given statements in the box given against each.
 - a) The point $(-x, -y)$ lies in the first quadrant where $x < 0, y > 0$
 - b) $(2, -7)$ lies in the fourth quadrant.

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



- a) $(3, -2)$ -
- b) $(3, 4)$ -
- c) $(-3, -2)$ -

Answer Q.6, Q.7, Q.8, Q.9 and Q.10 using the graph given below:



6) Write down the coordinates of A, B and C?

7) Name the quadrants in which points A, B, and C lie?

8) What is the figure initially formed by joining the points.

9) Plot the fourth point D such that all the 4 points form a square.

10) What are the coordinates of point D?



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

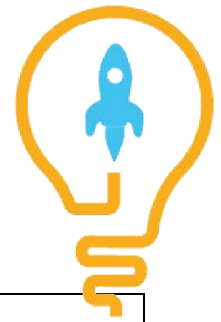
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

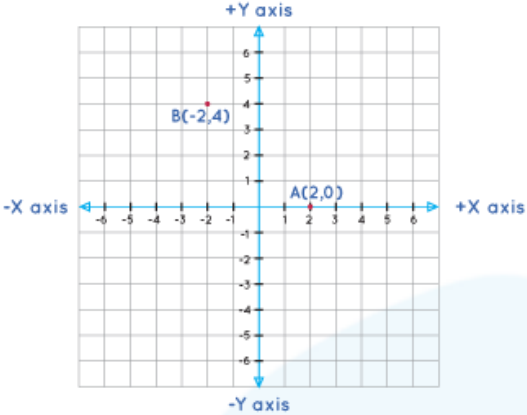
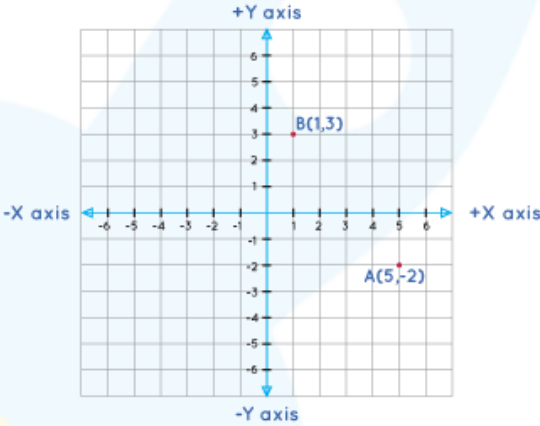
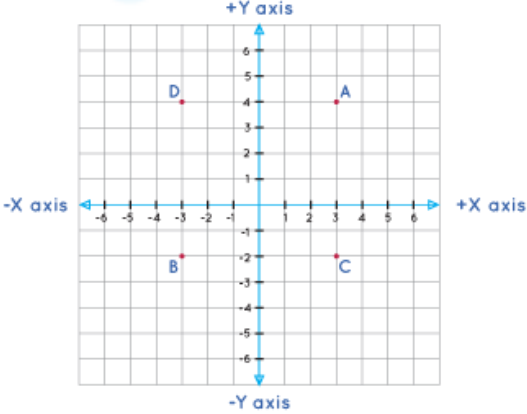
- Barbara Cabrera

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ANSWERS

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

FUN FACT

1. The idea of this system was developed in 1637 in two works by Descartes.
2. **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.
3. The name **Cartesian** comes from the French mathematician and philosopher René Descartes , who worked to merge [algebra](#) and Euclidean geometry.

