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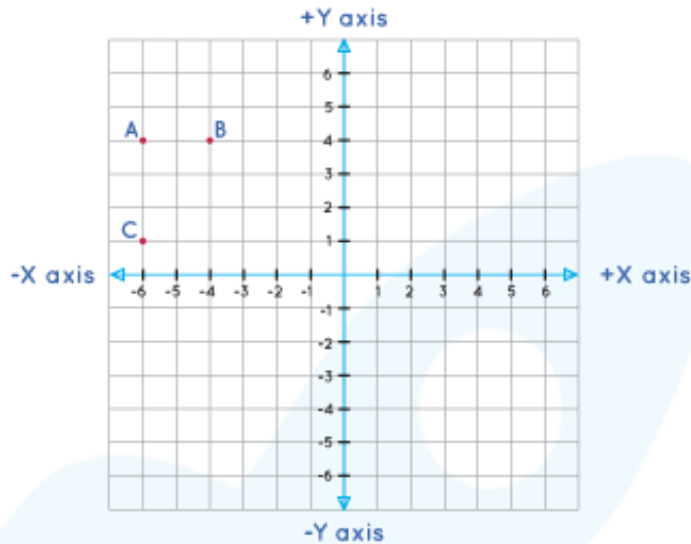
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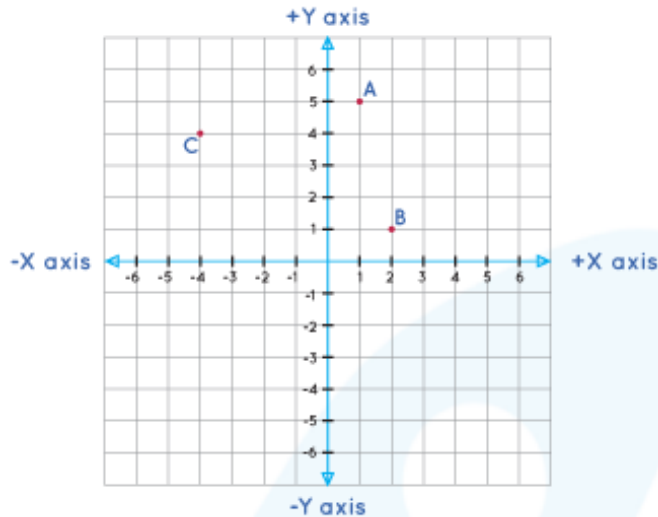
GRAPHING COORDINATES WORKSHEETS-II

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

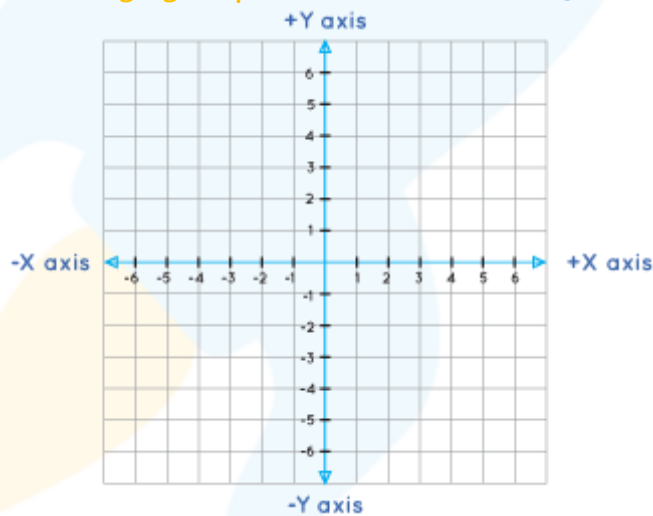


- 1) Write down the coordinates of A, B and C?
- 2) What is the figure initially formed by joining the points.
- 3) Plot the fourth point D such that all the 4 points form a rectangle.
- 4) What are the coordinates of point D?
- 5) Plot the coordinates given below in the plane:
 - a) $(-4, 5)$
 - b) $(2, 2)$
- 6) Write true or false for the given statements in the box given against each.
 - a) A point whose y-coordinate is zero and x-coordinate is 4 will lie on the y-axis.
 - b) In the cartesian plane the vertical line is called Y-axis.

- 7) Draw a right angled triangle in the coordinate plane and name the ordered pair of all the 3 points.
- 8) Identify the coordinates of the points A, B, C, and D in the following graph.



Use the following graph to answer Q.8 and Q.9.



- 9) Plot a line joining points (1, 2) and (-1, 2).
- 10) Find the intersection point of this line with the y-axis.

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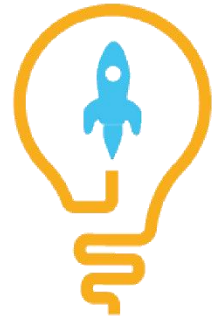
- Kirk Riley

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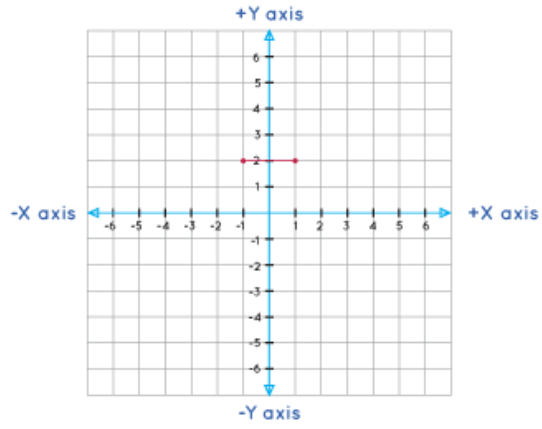
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ANSWERS

1)	$A(-6, 4), B(-4, 4), C(-6, 1)$
2)	Right angled triangle
3)	
4)	$D(-4, 1)$
5)	
6)	False, True
7)	
8)	$A(1, 5), B(2, 1), C(-4, 4)$

9)



10)

$(0, 2)$



FUN FACT

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

