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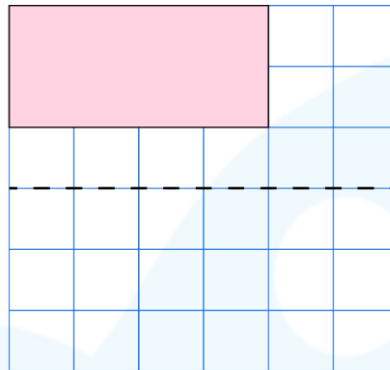
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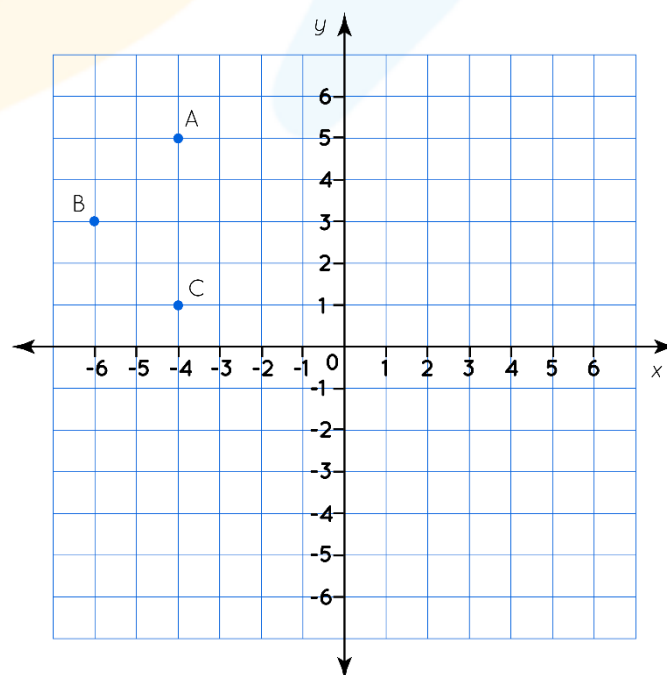
COORDINATE WORKSHEET-III

- 1) State whether True or False:
- a) The point $(2, 0)$ lies on the y -axis.
 - b) Abscissa of $(2, 5)$ is 5.
- 2) Reflect the following shape in the mirror line in the plane.



- 3) Plot the coordinates given below in the plane:
- a) $(-1, 1)$
 - b) $(3, 0)$
 - c) $(-1, 4)$

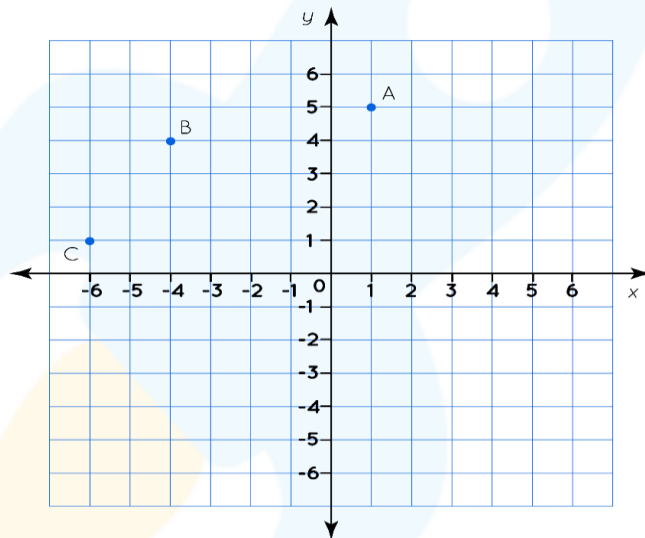
Use the graph given below to answer Q.4, Q.5, Q.6 and Q.7.



- 4) Write the coordinates of A, B, and C.
- 5) What are the quadrants of these points.
- 6) Plot point D in the following plane to form a square.
- 7) Write the coordinates of point D.

Answer Q.8 and Q.9 using the given information.

- 8) Plot the line joining points $(-1, -3)$ and $(3, 3)$.
- 9) Find the point where it intersects the x-axis.
- 10) Find which point is located at each ordered pair.



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

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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."

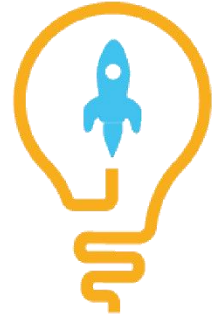
- Kirk Riley

"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."

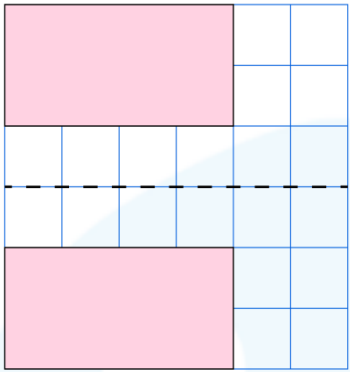
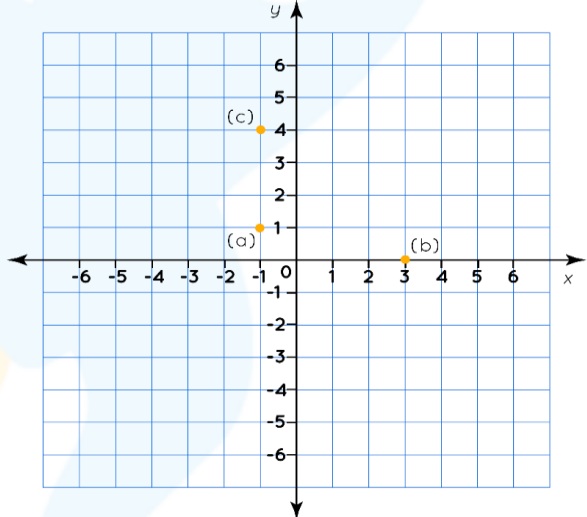
- Barbara Cabrera

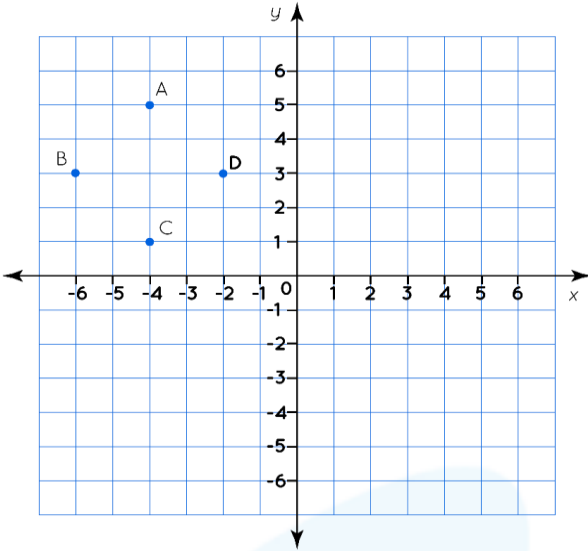
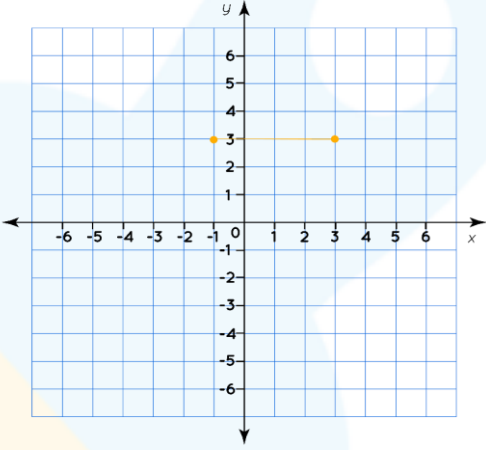
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ANSWERS

1)	a) False b) False
2)	
3)	
4)	A(-4, 5), B(-6, 3), C(-4, 1)
5)	II quadrant

6)	
7)	D(-2, 3)
8)	
9)	(0, 3)
10)	a) C b) B c) A

FUN FACT

1. The invention of the **Cartesian Coordinate** System is credited to René Descartes.
2. A point in a coordinate plane is named by its ordered pair of the form (x, y) .
3. A coordinate plane is a two-dimensional plane formed by the intersection of a vertical line called Y-axis and a horizontal line called X-axis.

