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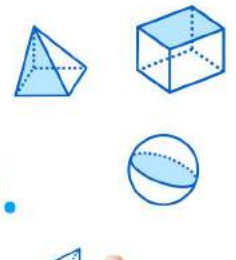

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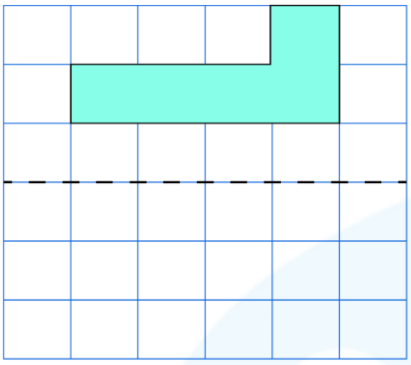
COORDINATE WORKSHEET-IV

1) Reflect the following shape in the mirror line in the plane.



Use the following graph to answer Q.2, Q.3, Q.4 and Q.5.

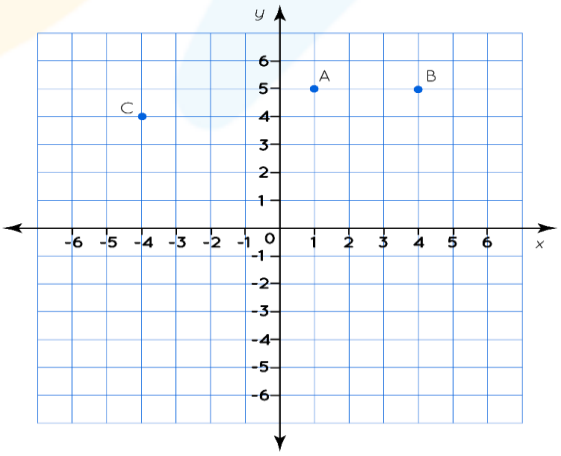
2) Plot points at coordinates (3, 4), (-3, -2), and (3, -2).

3) Find out the quadrants of all these points.

4) Plot a fourth point to form a square.

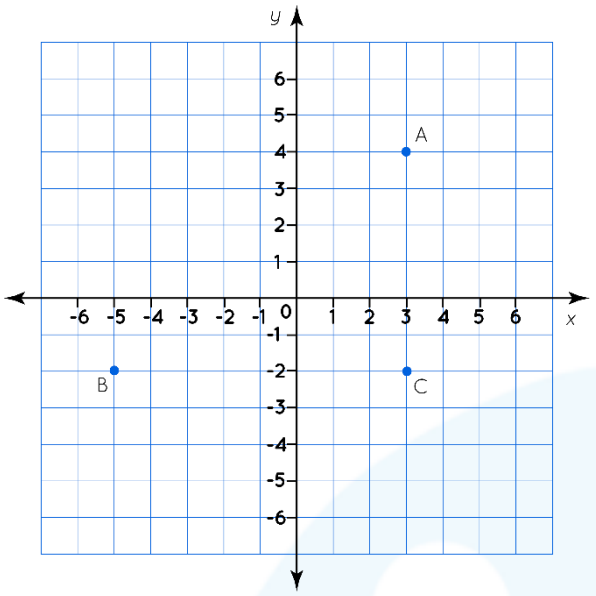
5) Write the coordinates of this point.

6) Match the columns using the given graph.



Points	Coordinates
1. (4, 5)	a. A
2. (1, 5)	b. B
3. (-4, 4)	c. C

7) Find the coordinates of D in the following plane to form a rectangle.



8) Identify the shape joining points (1, -1), (-1, 1), (1, 1), and (-1, -1).

Answer Q.9 and Q.10 based on the given information.

9) Plot the line joining points (-1, -1) and (1, 1) and find the point where it intersects the x-axis.

10) State whether true or false.

a) In the cartesian plane, the point (-3, -3) lies in the third quadrant.

b) A cartesian plane is divided into 4 quadrants.

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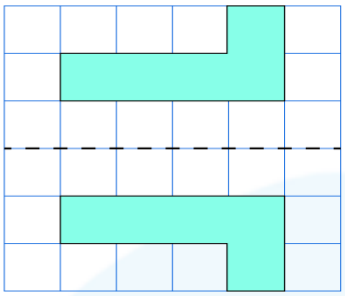
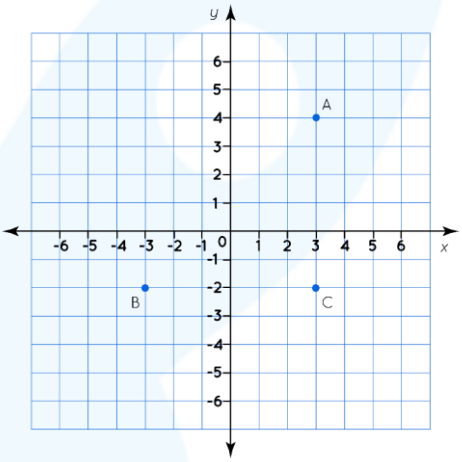
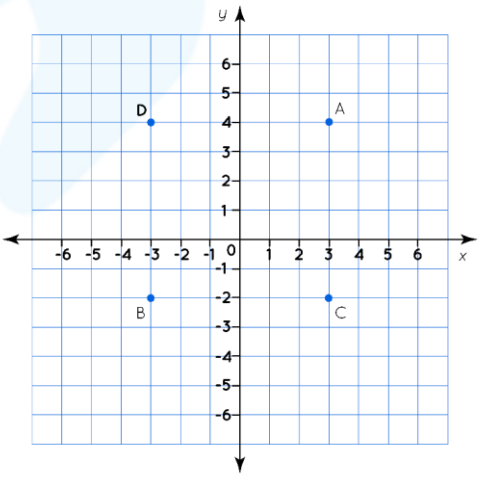
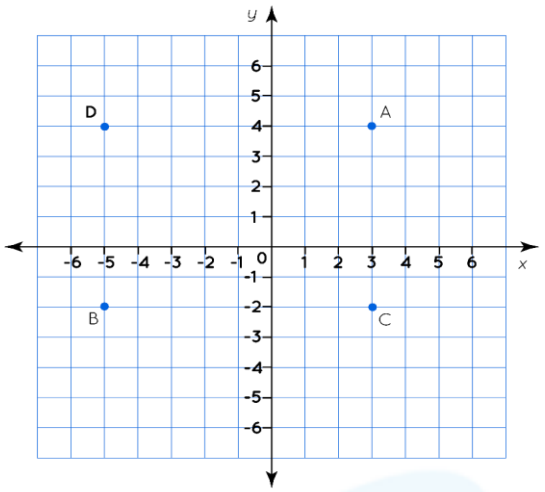
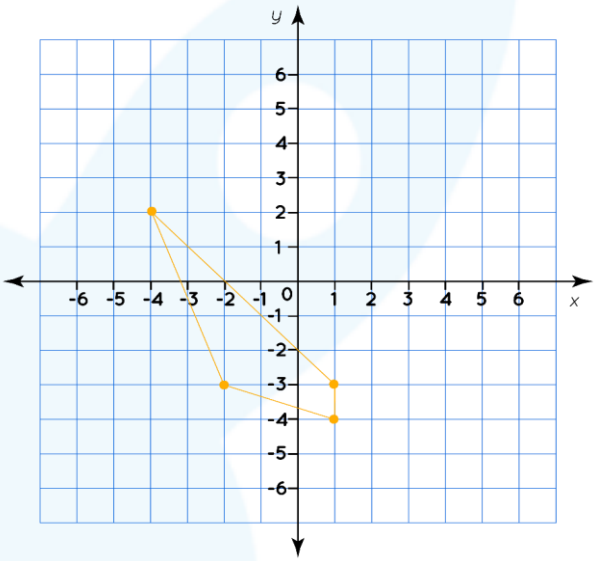
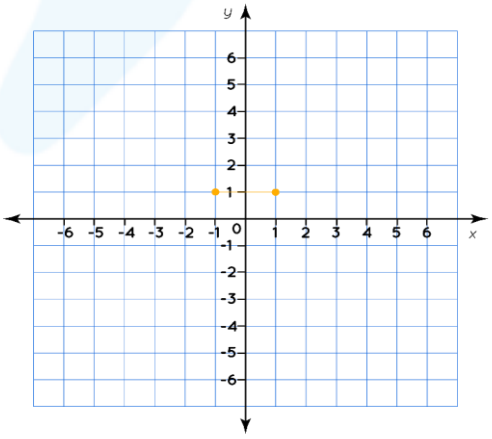
ANSWERS

1)	
2)	
3)	I quadrant, III quadrant, IV quadrant
4)	
5)	D(-3, 4)
6)	1--b; 2--a; 3--c

7)	 D(-5, 4)
8)	 Quadrilateral
9)	
10)	(0, 1)

FUN FACT

1. The invention of the **Cartesian Coordinate** System is credited to René Descartes.

2. 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.

3. A point in a coordinate plane is named by its ordered pair of the form (x, y).