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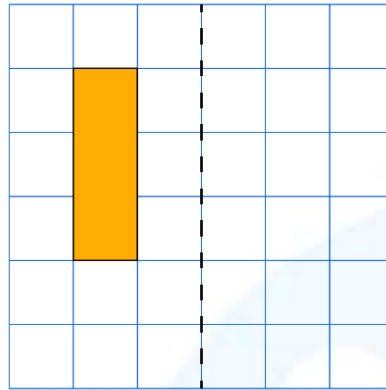
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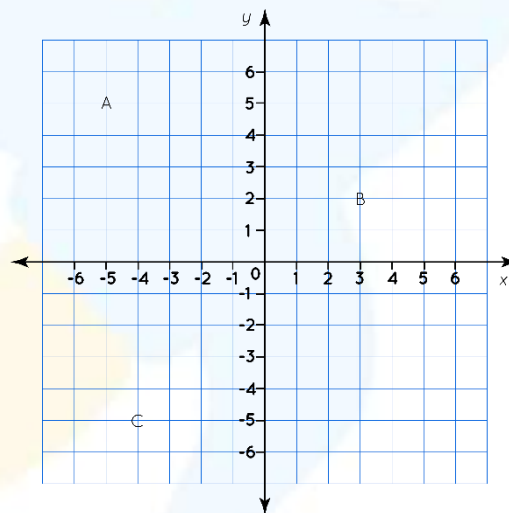
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## COORDINATE PLANE WORKSHEET-I

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

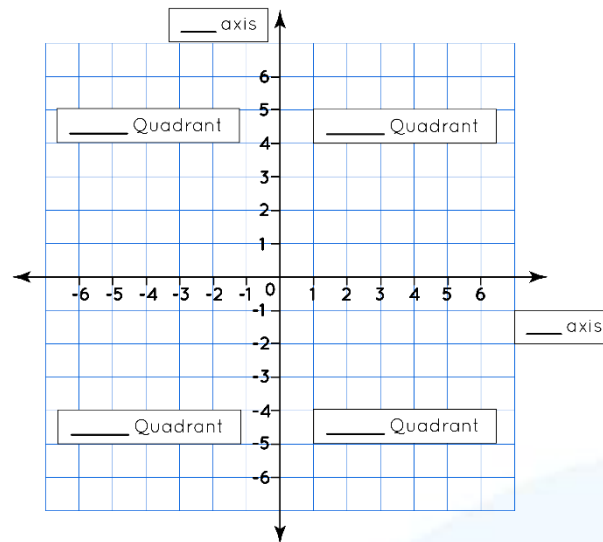


2) Find which point is located at each ordered pair.

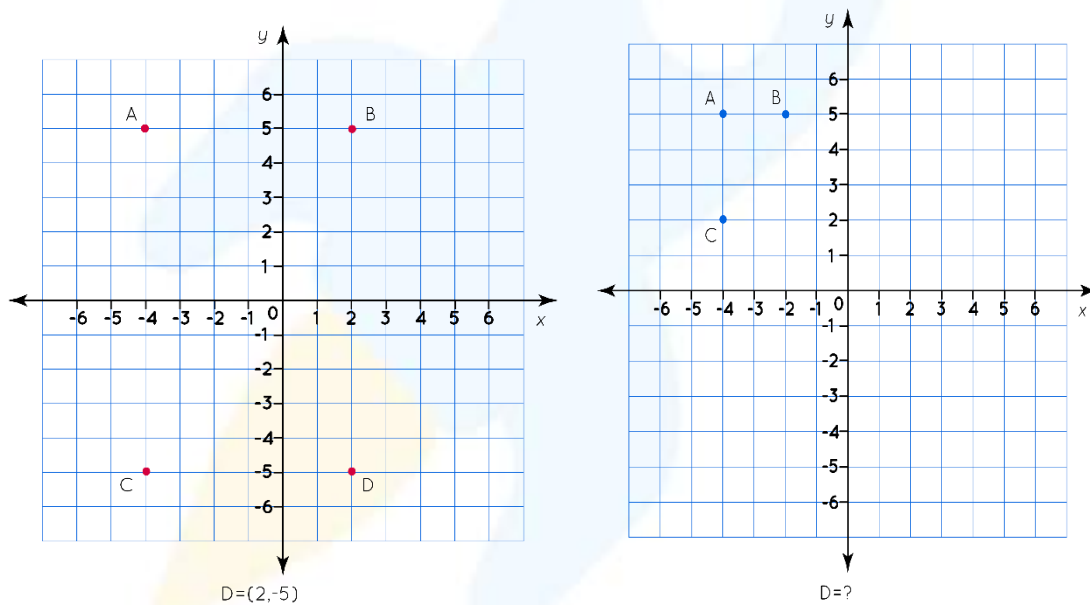


- a)  $(-5, 5)$
- b)  $(-4, -5)$
- c)  $(3, 2)$

3) Label each part of the coordinate plane given below:

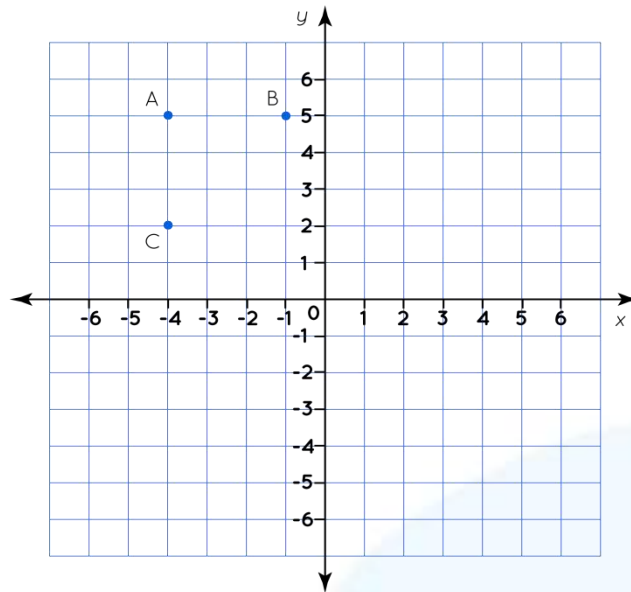


4) Plot the coordinates of D to form a rectangle. The first one is done as an example:



5) A shape in the coordinate plane has the following coordinates:  $(2, -3)$ ,  $(1, 1)$ , and  $(-2, -3)$ . Plot the points and identify the shape.

6) Find the coordinates of D in the following plane to form a square.

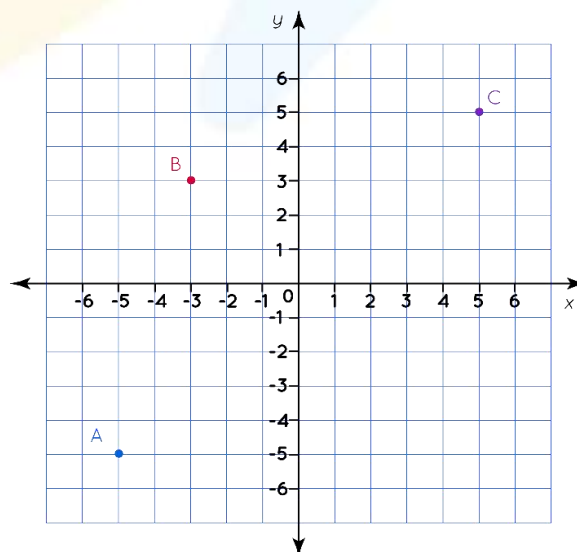


7) Plot the line joining points  $(2, 2)$  and  $(2, -2)$  and find the point where it intersects the x-axis.

8) State whether true or false:

- Only 1 line can be formed joining 2 points.
- A cartesian plane has a vertical axis called the y-axis

9) Write the ordered pair for each point graphed below and name its quadrant.



10) Plot the coordinates given below in the plane:

- $(-4, 3)$
- $(0, 3)$
- $(-2, -2)$

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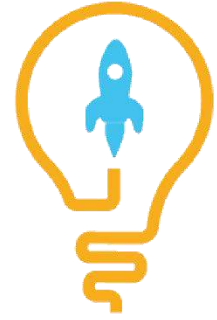
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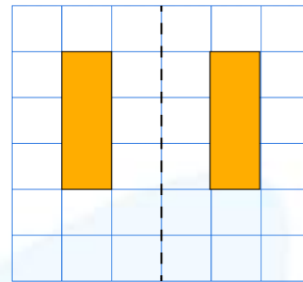
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ANSWERS

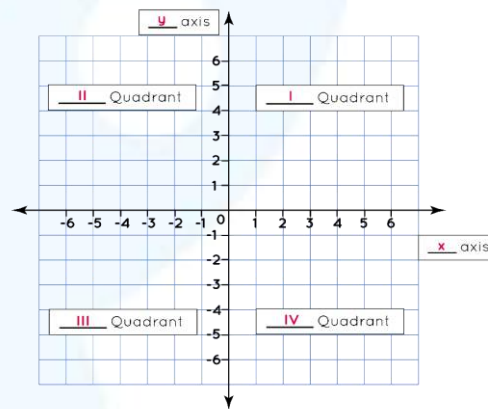
1)



2)

a) A b) C c) B

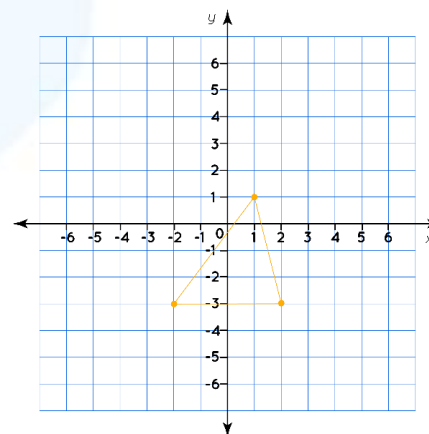
3)



4)

Point D:  $(-2, 2)$

5)

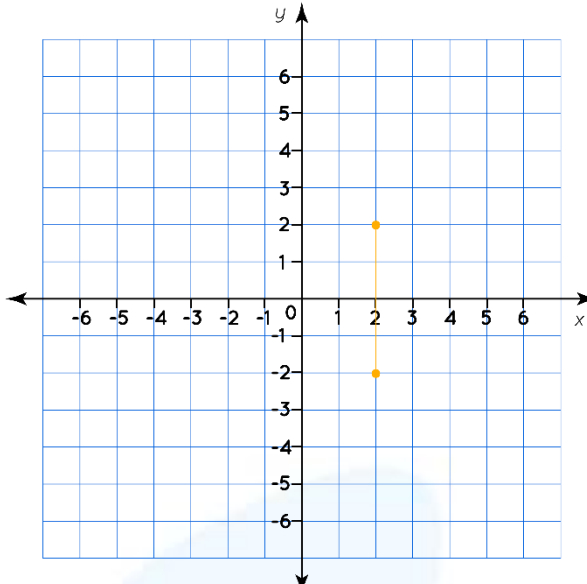
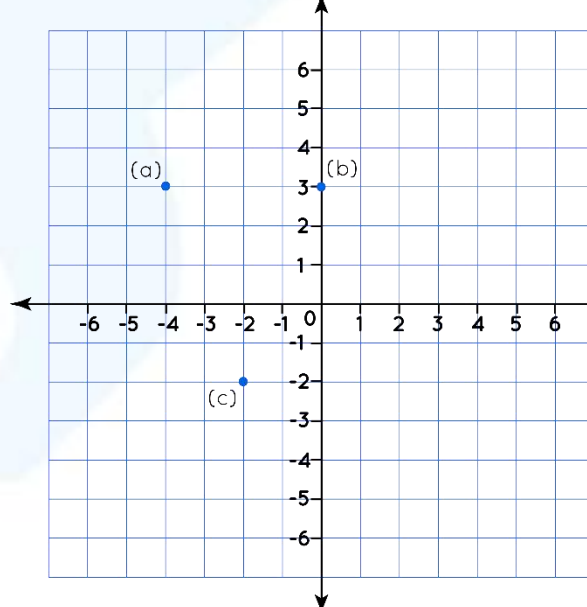


Triangle

6)

Point D:  $(-1, 2)$



7)	 <p>(2, 0)</p>
8)	a) True b) True
9)	Point A: (-5, -5) - III quadrant Point B: (-3, 3) - II quadrant Point C: (5, 5) - I quadrant
10)	

## FUN FACT

1. 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.
2. A point in a coordinate plane is named by its ordered pair of the form  $(x, y)$ .
3. The invention of the **Cartesian Coordinate System** is credited to René Descartes.

