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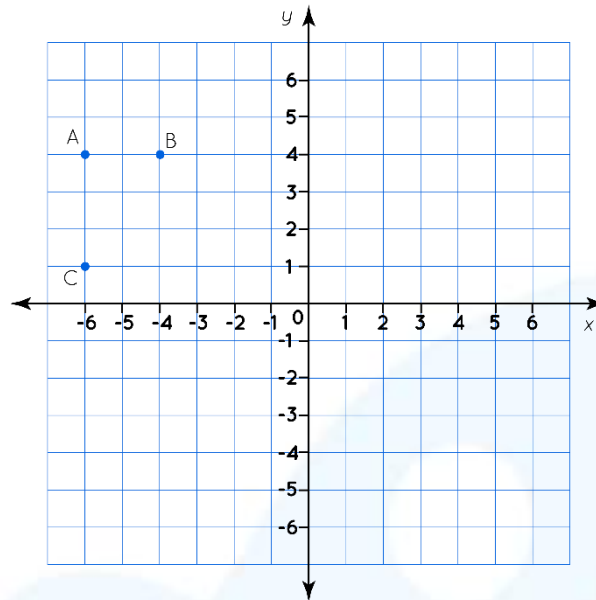
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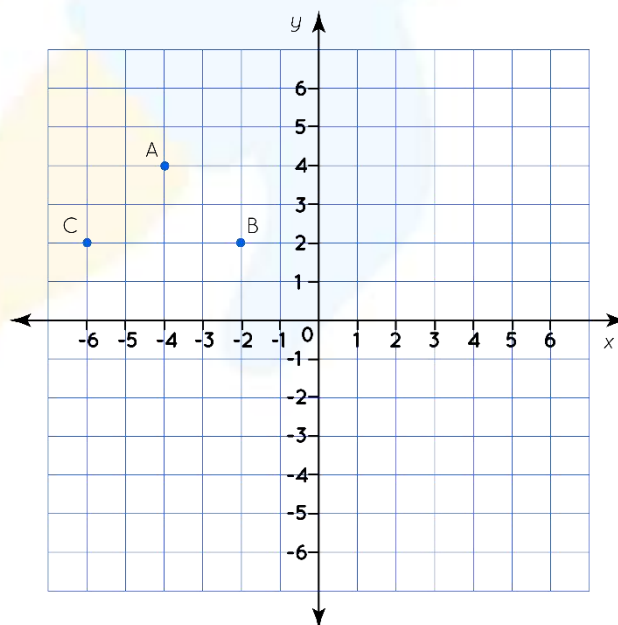
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COORDINATE PLANE WORKSHEET-II

1) Plot the coordinates of point D to form a rectangle.

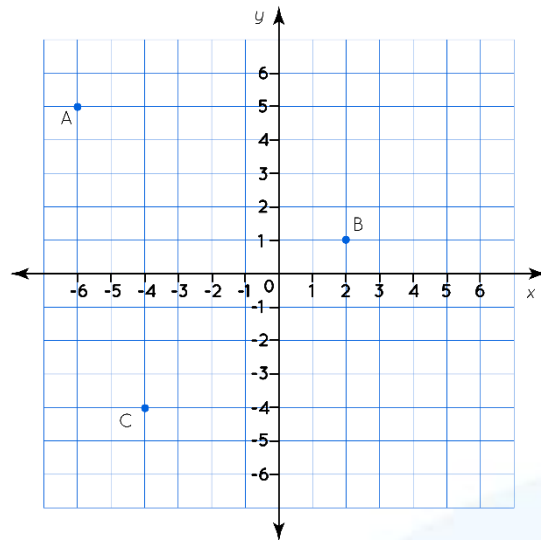


2) Find the coordinates of D in the following plane to form a square.



3) Identify the shape joining points (2, -2), (3, 1), (-3, -1), and (3, 4).

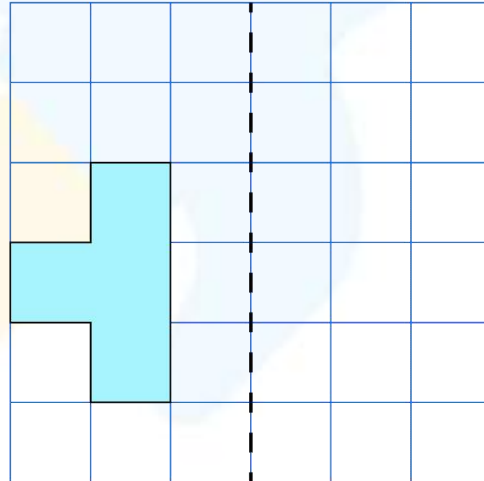
4) Write the ordered pair for each point graphed below and name its quadrant.



5) Plot the coordinates given below in the plane:

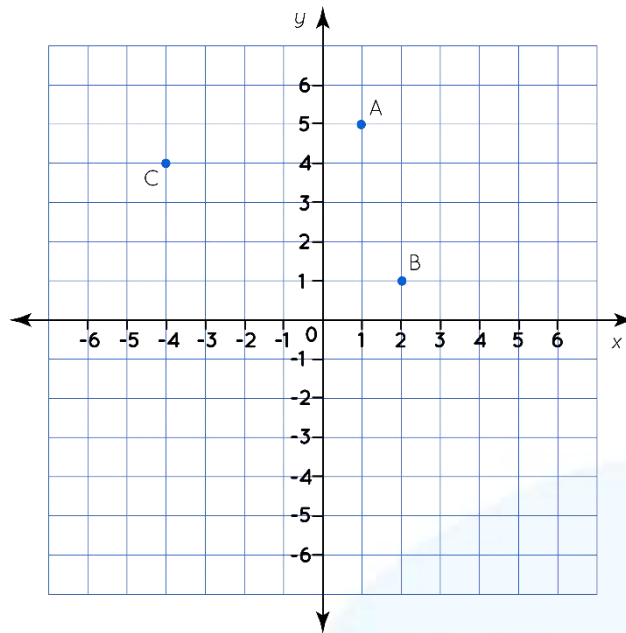
- a) $(-1, 3)$
- b) $(0, 0)$
- c) $(-3, 4)$

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



7) A shape in the coordinate plane has the following coordinates: $(1, -3)$, $(1, 2)$, $(1, 4)$, and $(2, -3)$. Plot the points and identify the shape.

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



- a) $(-4, 4)$ -
- b) $(1, 5)$ -
- c) $(2, 1)$ -

9) Plot the line joining points $(-2, 2)$ and $(3, 2)$ and find the point where it intersects the y-axis.

10) State whether true or false.

- a) In the cartesian plane, the point $(3, -3)$ lies in the third quadrant.
- b) In the cartesian plane, the horizontal line is called the x-axis.

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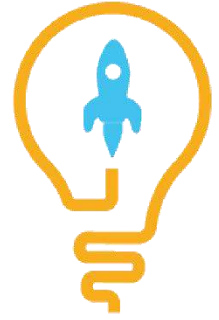
- Kirk Riley

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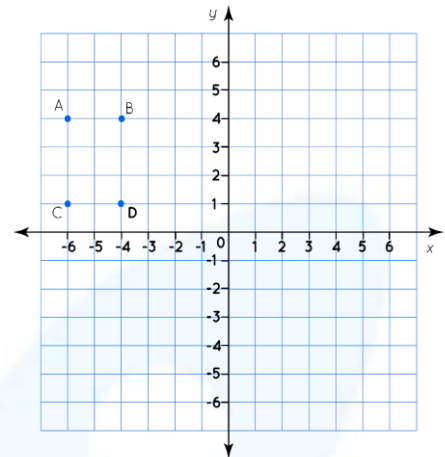
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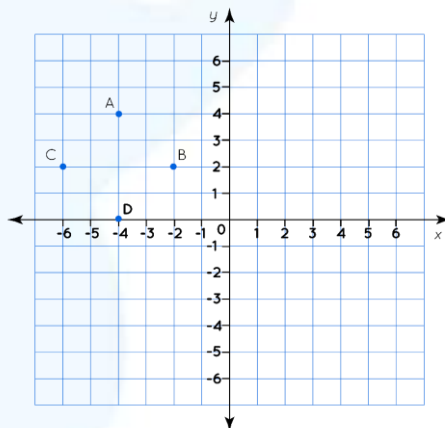
ANSWERS

1)



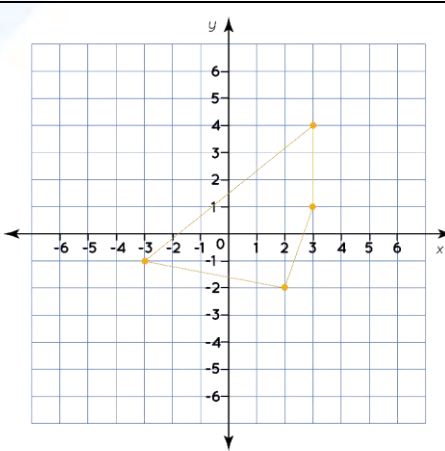
D(-4, 1)

2)



D(-4, 0)

3)

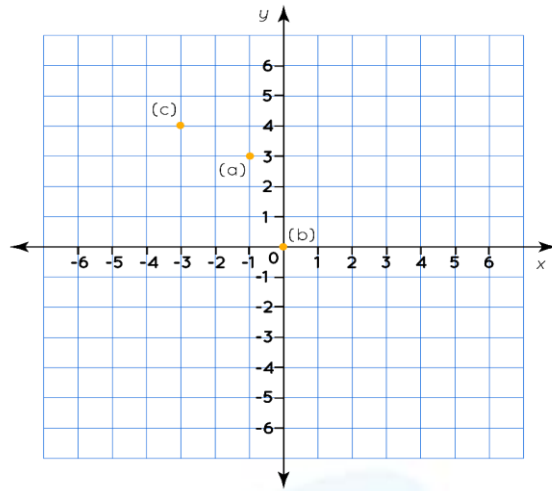


Quadrilateral

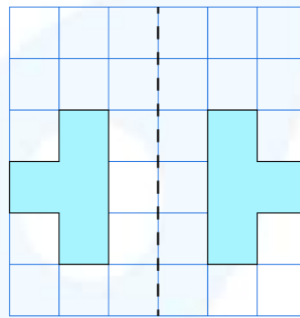
4)

Point A: (-6, 5)- II quadrant
 Point B: (2, 1)- I quadrant
 Point C: (-4, -4)- III quadrant

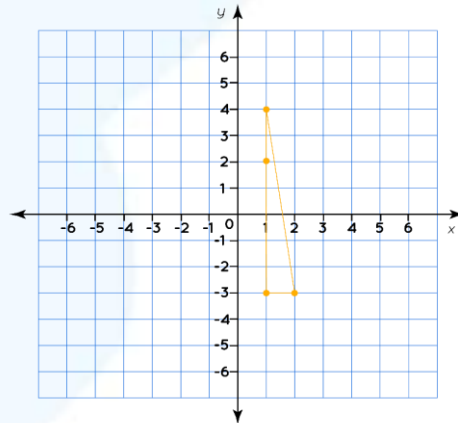
5)



6)



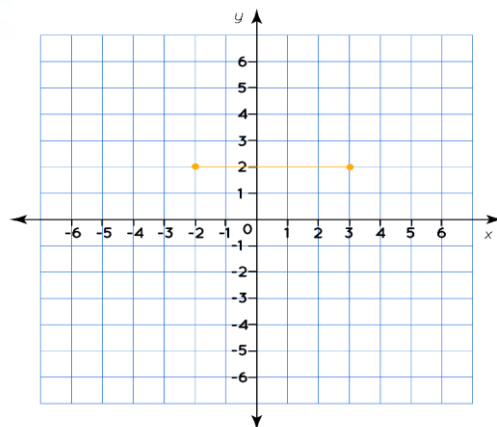
7)



8)

a) C b) A c) B

9)



(0, 2)

10)

a) False b) True

FUN FACT

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

