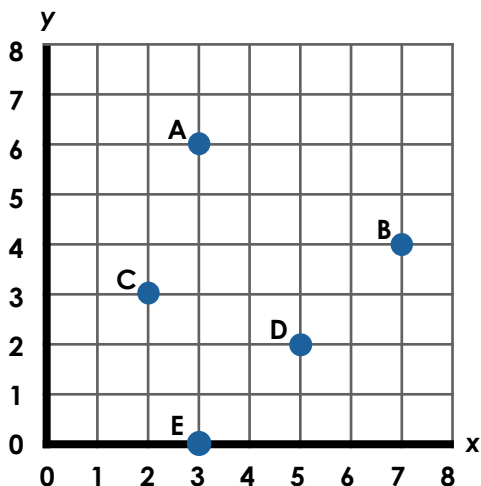


Position in the First Quadrant

1. Write the coordinates of all the marked points on the grid.

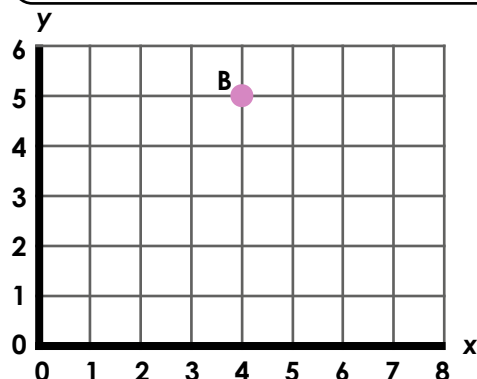


VF

4. Explain Eli's mistake. Refer to the origin in your answer.

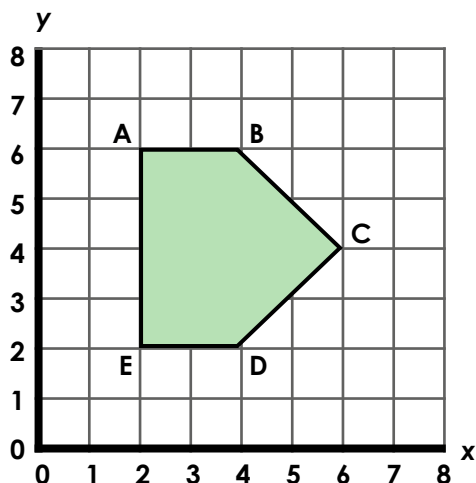


If point B moves 2 squares down, the x coordinate will decrease by 2.



R

2. Write the coordinates for the vertices of the shape.

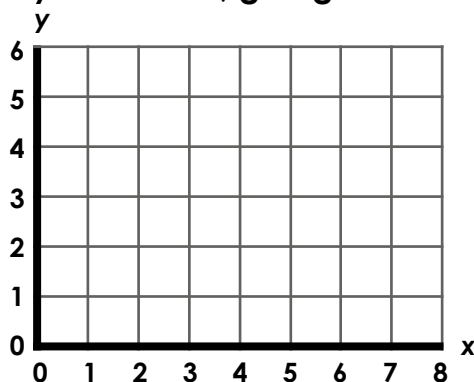


VF

5. True or false?

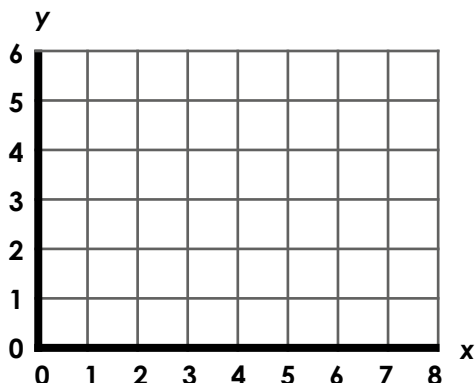
If the value of y in three coordinates is the same, they will create a vertical straight line because the y axis is vertical.

Explain your answer, giving an example.



R

3. Plot the following coordinates on the grid below.

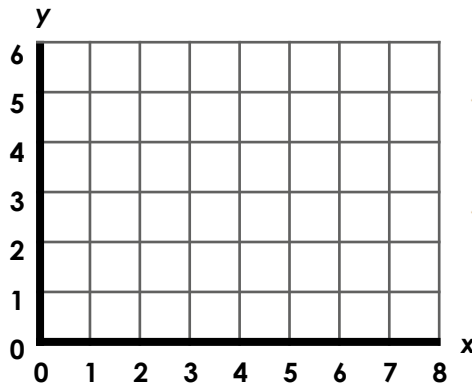


- A. (4, 4)
- B. (5, 0)
- C. (8, 2)
- D. (6, 1)

Point A moves one square to the right. Write the new coordinates of point A.

VF

6. Leia was plotting points to make a rectangle, but she spilled tea on her work.



- (6, 6)
- (1, 4)
- (2, 2)
- (7, 4)

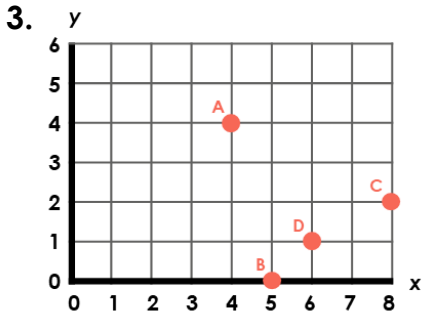
Identify the possible missing coordinates and plot the shape.

PS

Position in the First Quadrant

1. A. (3, 6); B. (7, 4); C. (2, 3); D. (5, 2); E. (3, 0)

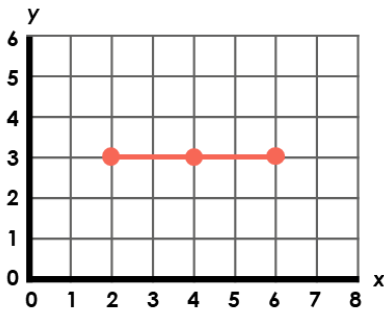
2. A. (2, 6); B. (4, 6); C. (6, 4); D. (4, 2); E. (2, 2)



The new coordinates of A would be (5, 4).

4. If point B moves two squares down then it is moving towards the origin on the y-axis so the y coordinate would decrease by 2. The original coordinates would be (4, 5) and when point B moves down two squares the new coordinates would be (4, 3).

5. False. When the value of y is the same in different coordinates, this will create a horizontal line. This is because the coordinate will not move along the vertical y-axis as each coordinate has the same y value. For example, where the y coordinate is 3, the coordinates (2, 3) (4, 3) and (6, 3) create a horizontal line as shown below.



6. Various answers, for example: The missing coordinates could be (2, 6); (1, 4); (6, 2) and (7, 4)

