Monday 29th June
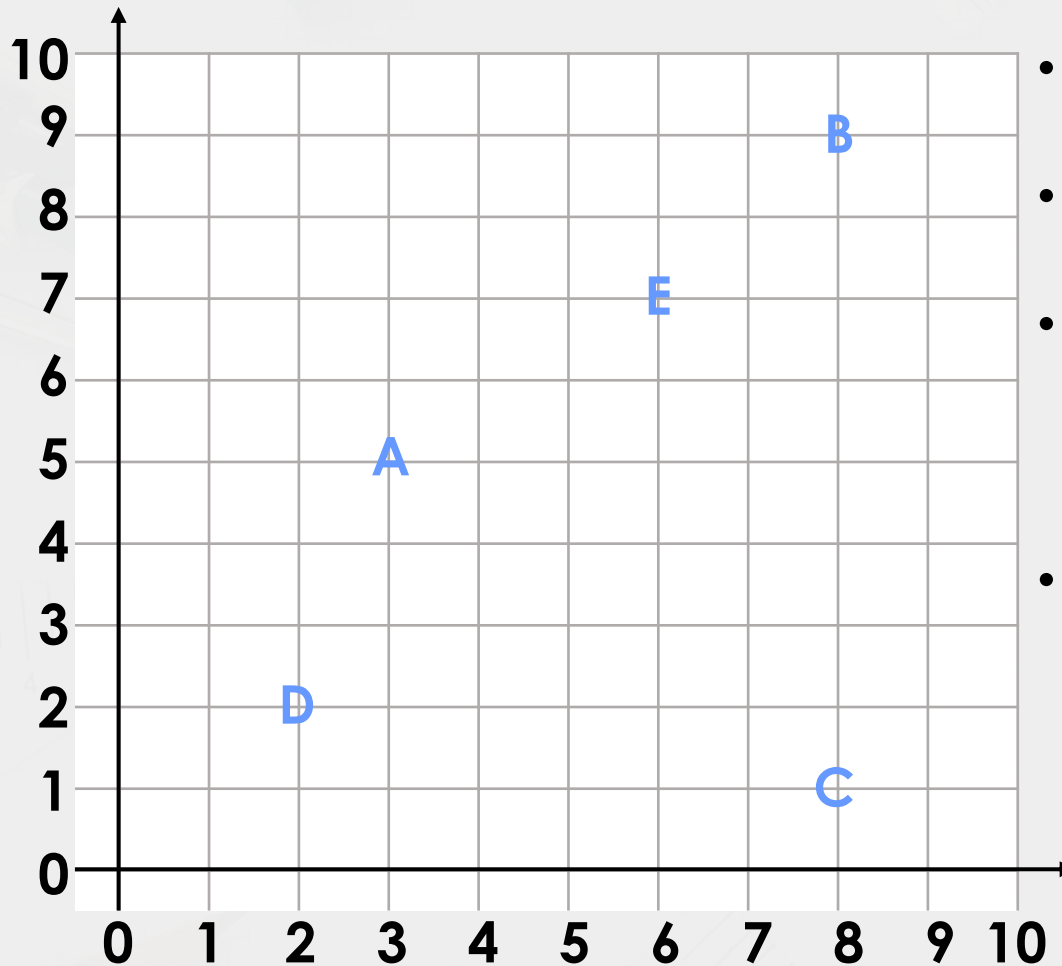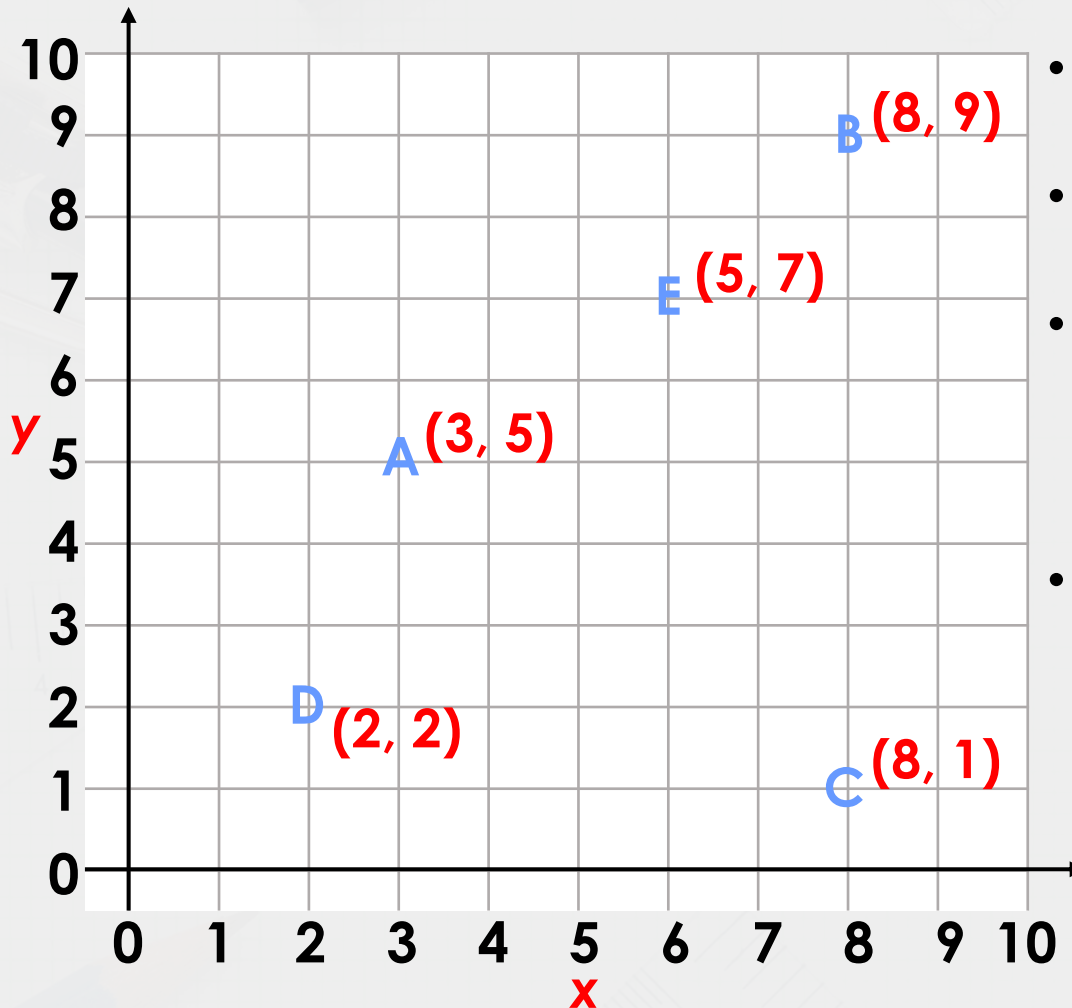# Year 5: Position in the First Quadrant

- **Label the x-axis.**

- **Label the y-axis.**

- **What are the coordinates for A, B, C, D and E?**

- **Does it matter which way round you write the numbers?**

Y5

- Label the *x*-axis.

- Label the *y*-axis.

- What are the coordinates for A, B, C, D and E?
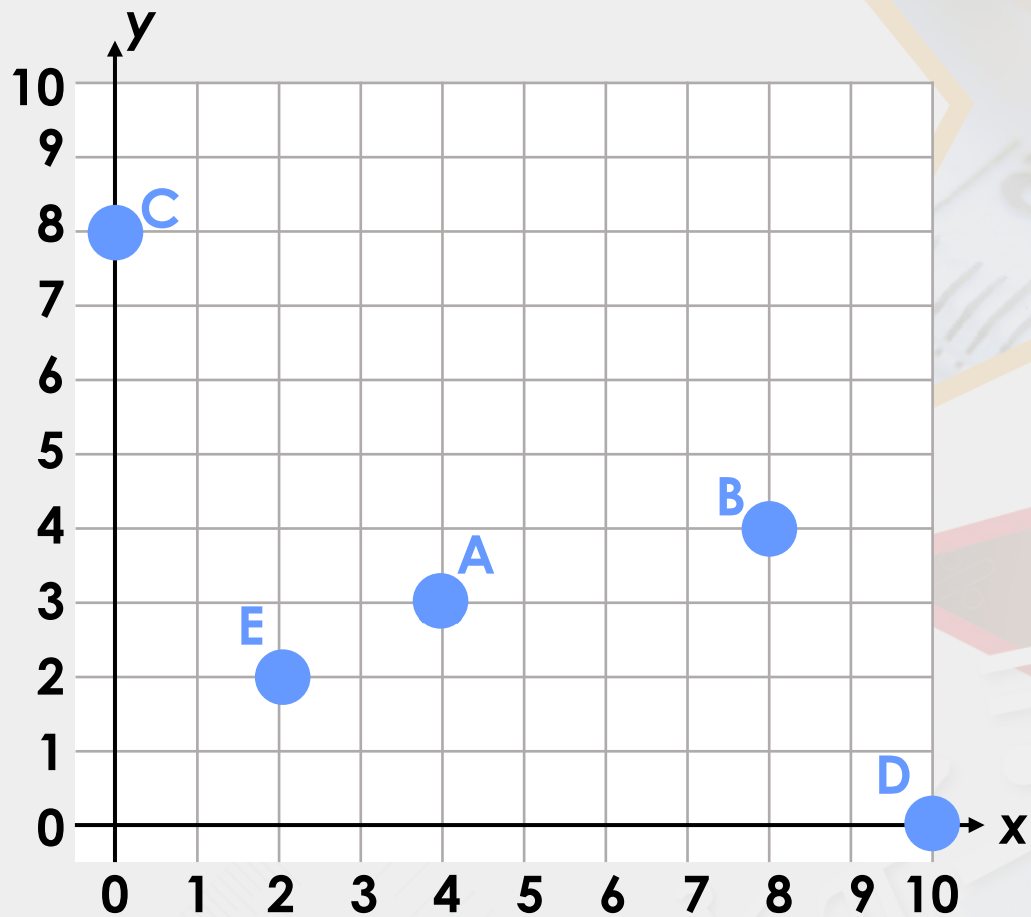
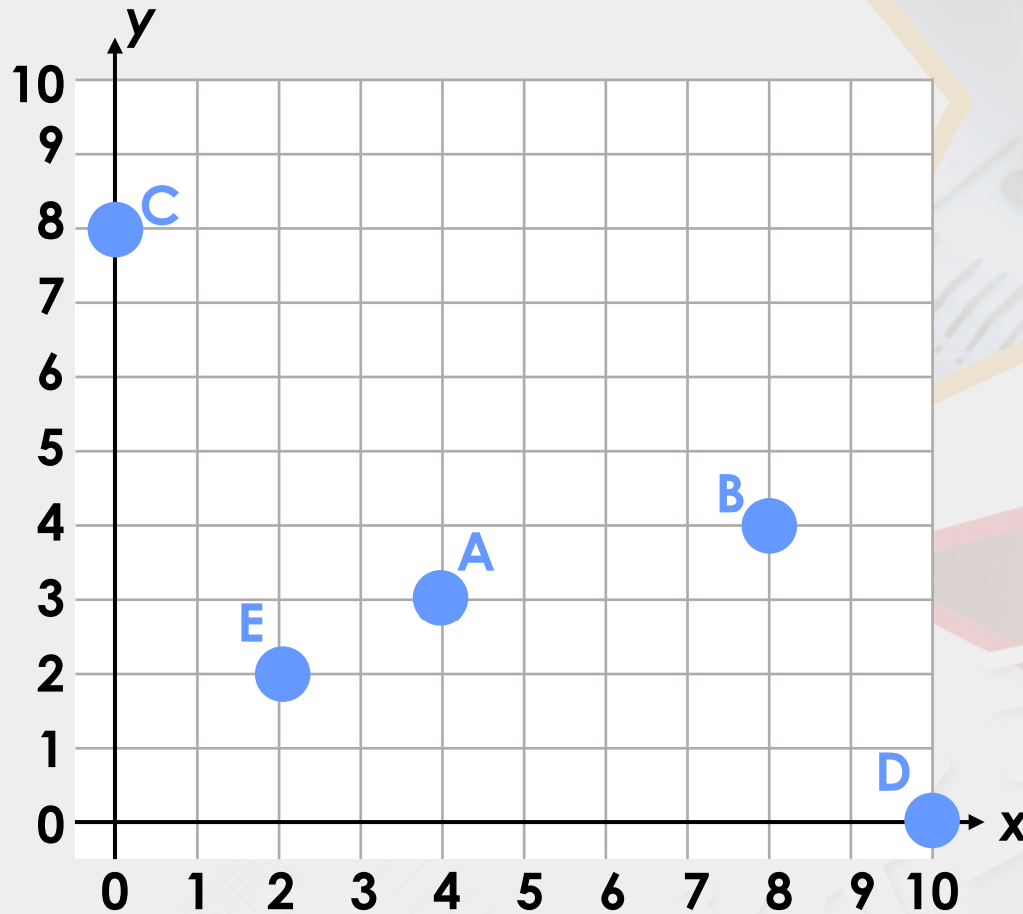- Does it matter which way round you write the numbers? Yes, as the x-axis must be recorded first.

A (3, 5)
B (8, 9)
C (8, 1)
D (2, 2)
E (5, 7)

Write the coordinates of A, B, C, D and E.

Y5

Write the coordinates of A, B, C, D and E.

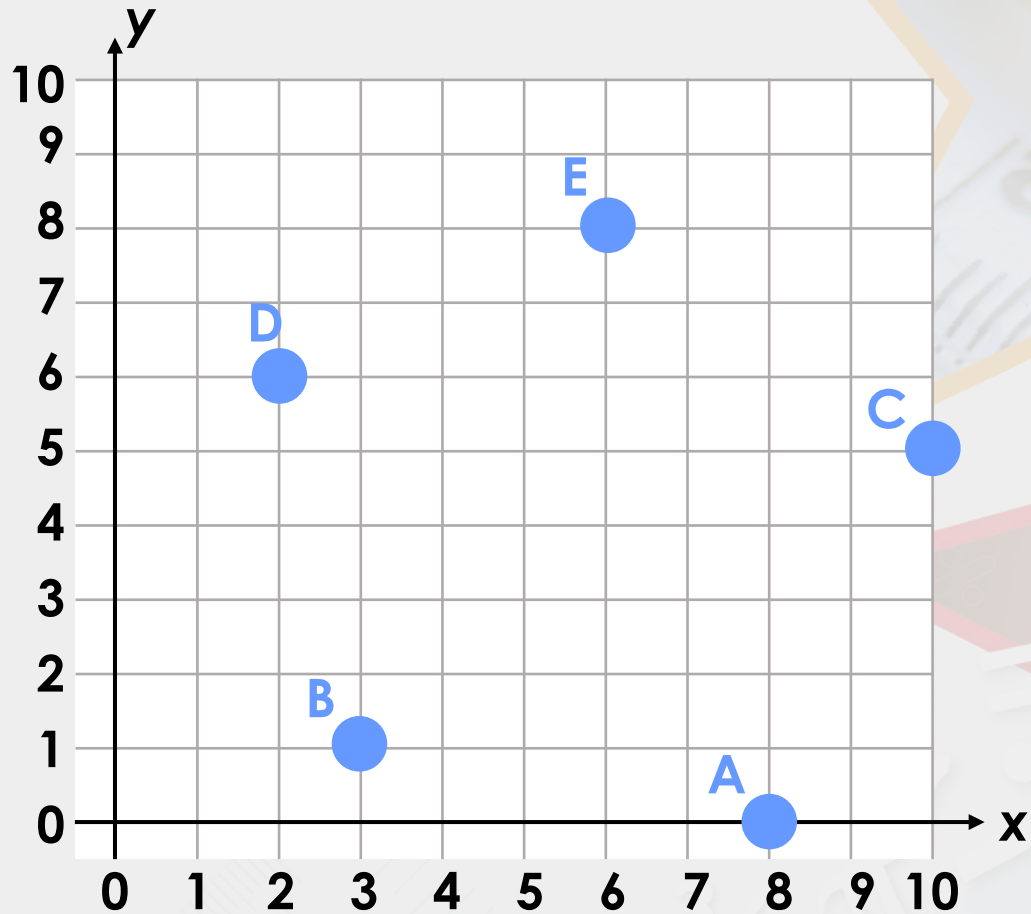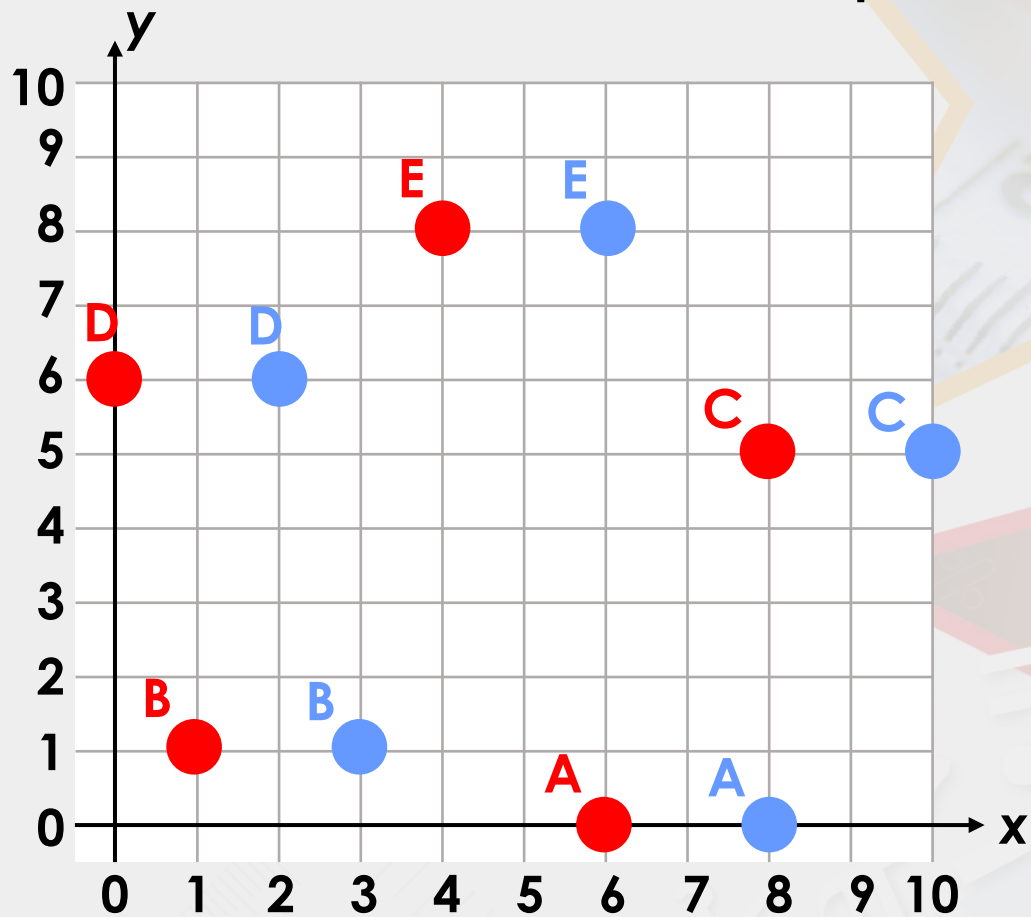A (4, 3)   B (8, 4)   C (0, 8)   D (10, 0)   E (2, 2)   Y5

**Each point moves two squares left.
Write the new coordinates of each point.**

Each point moves two squares left.
Write the new coordinates of each point.

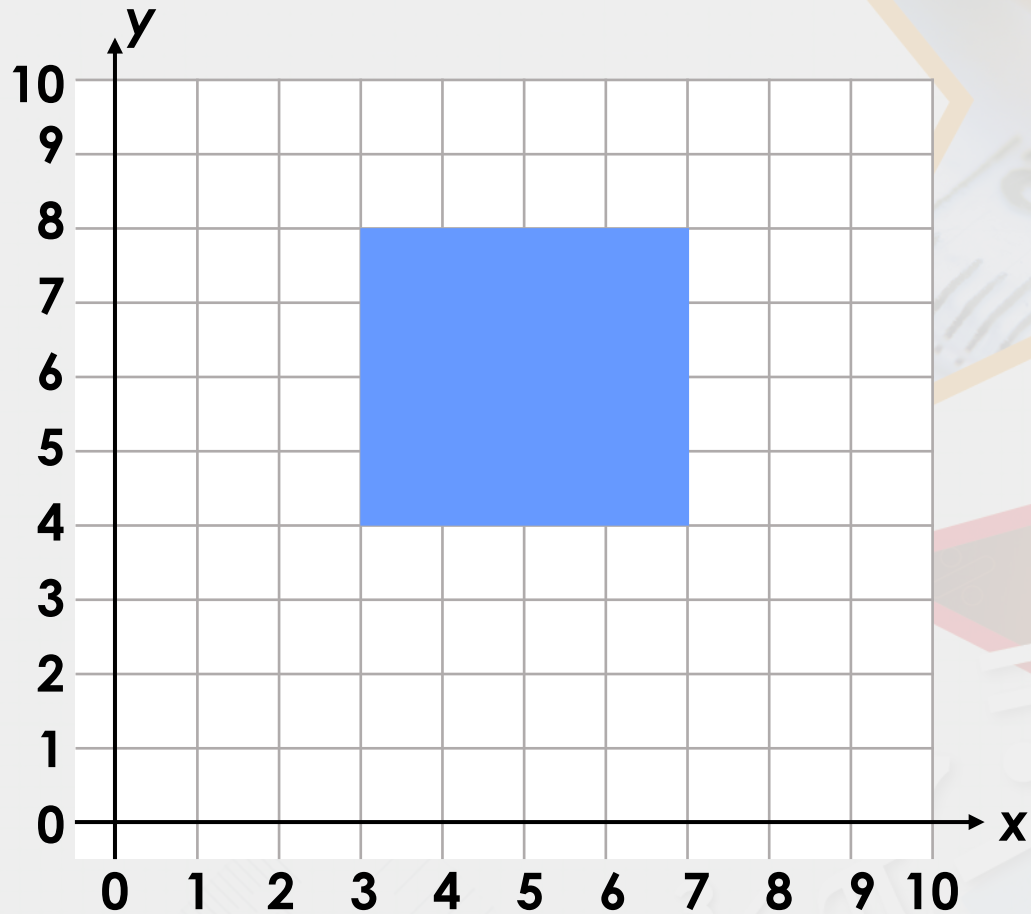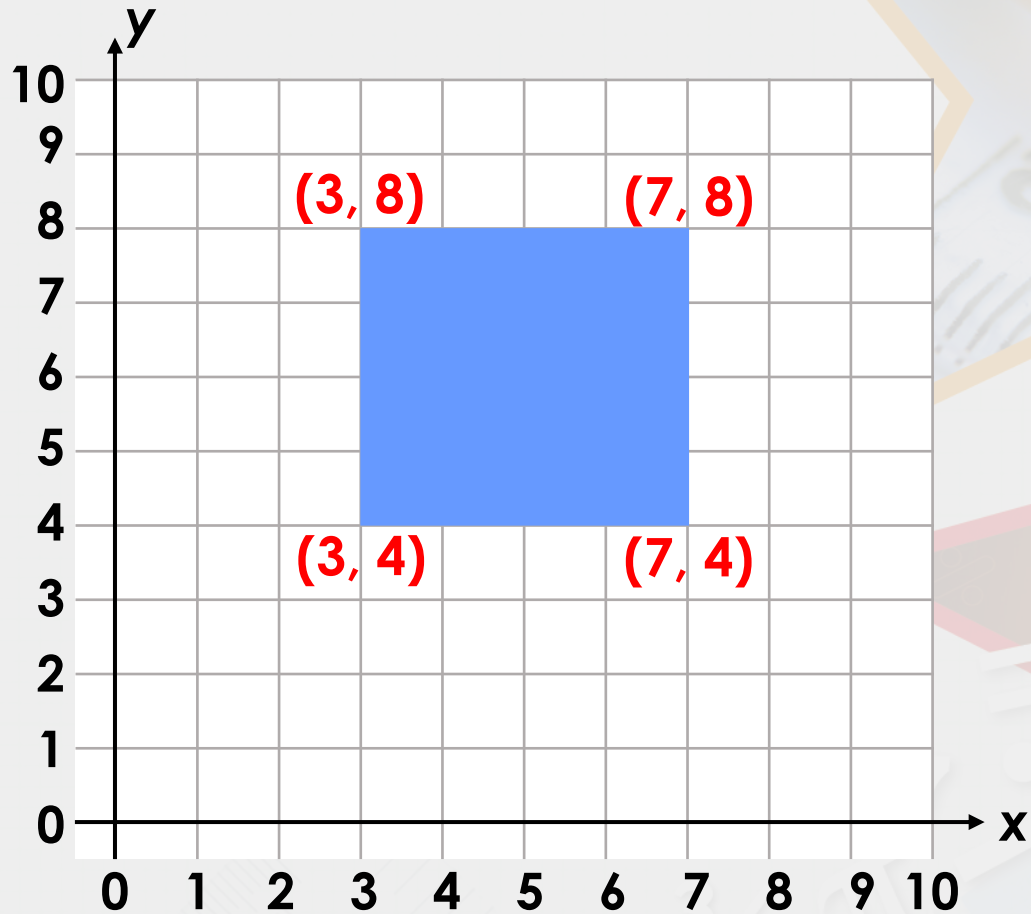A (6, 0)   B (1, 1)   C (8, 5)   D (0, 6)   E (4, 8)   Y5

**Look at the shape drawn on the grid below.
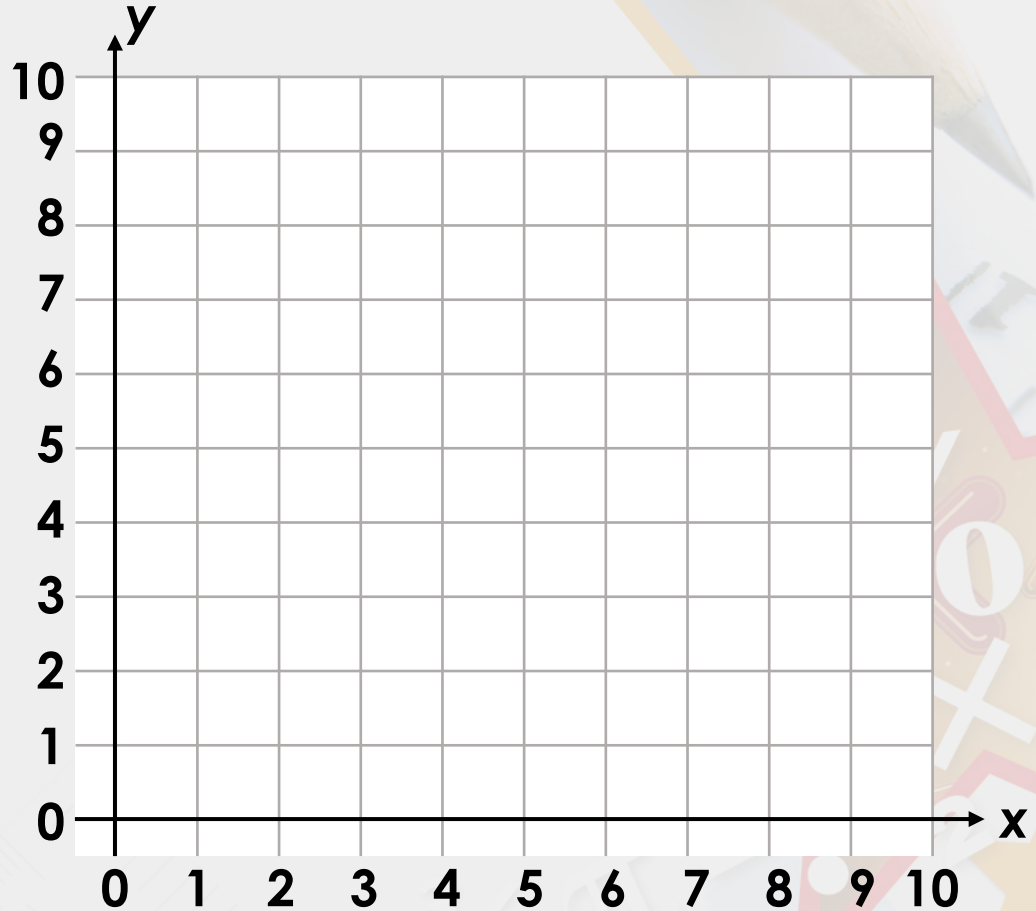Write the coordinates of the vertices of the shape.**

Y5

**Look at the shape drawn on the grid below.
Write the coordinates of the vertices of the shape.**

Y5

The coordinates below will create a letter.
Draw and join them on the grid to find out the letter.

(3, 1) (3, 5) / (5, 1) (5, 5) /
(3, 3) (5, 3)

Note: The / means it is the same letter but lift your pencil to start a new line.

Y5

The coordinates below will create a letter.
Draw and join them on the grid to find out the letter.
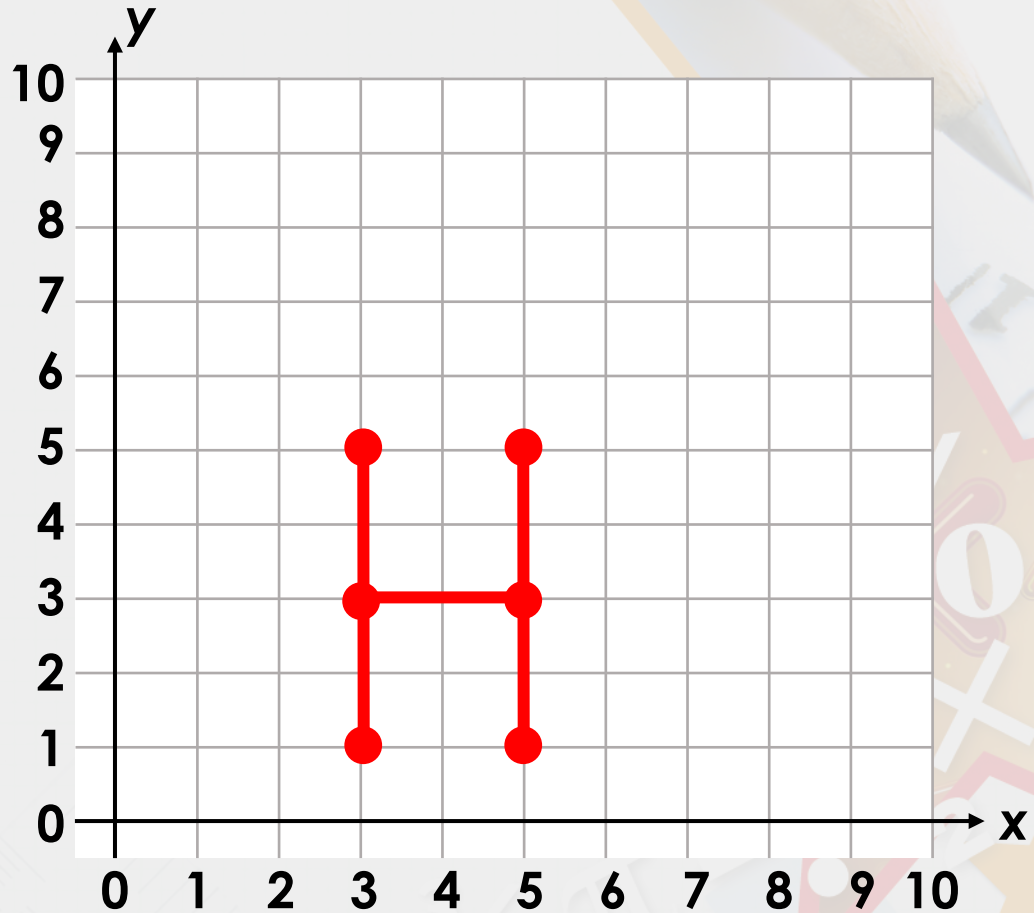
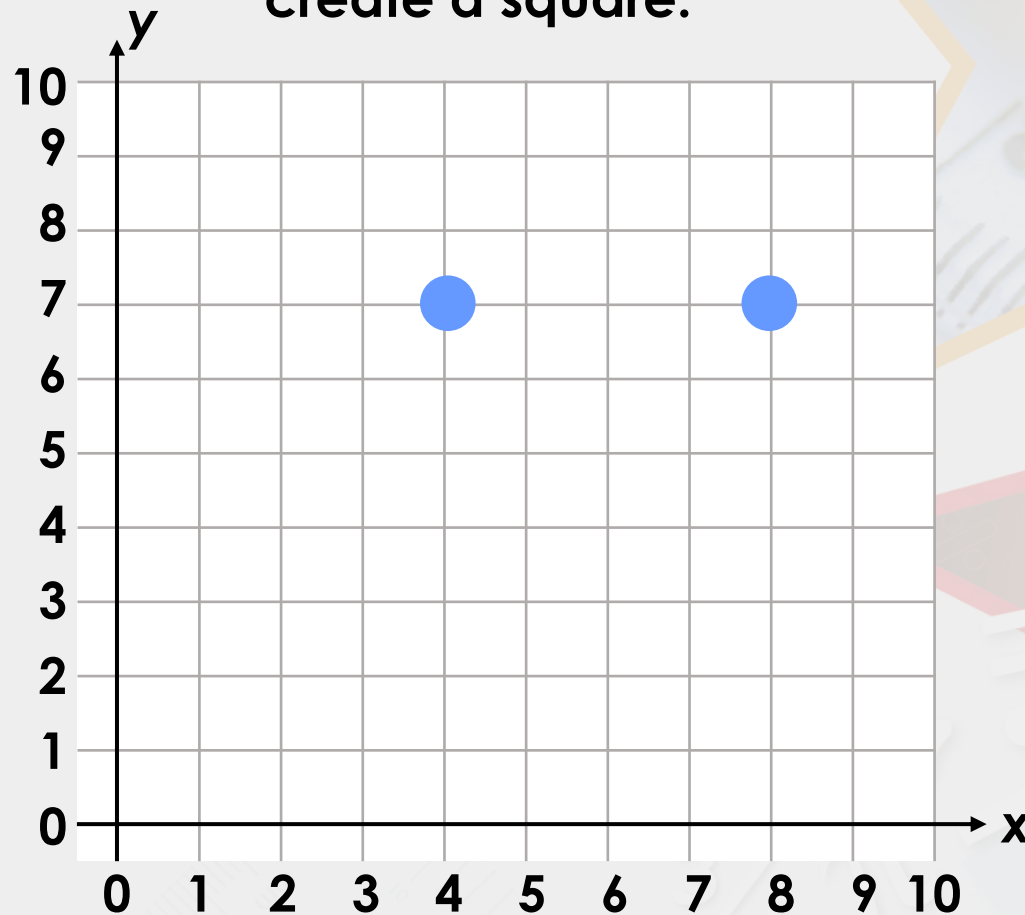(3, 1) (3, 5) / (5, 1) (5, 5) /
(3, 3) (5, 3)

Note: The / means it is the
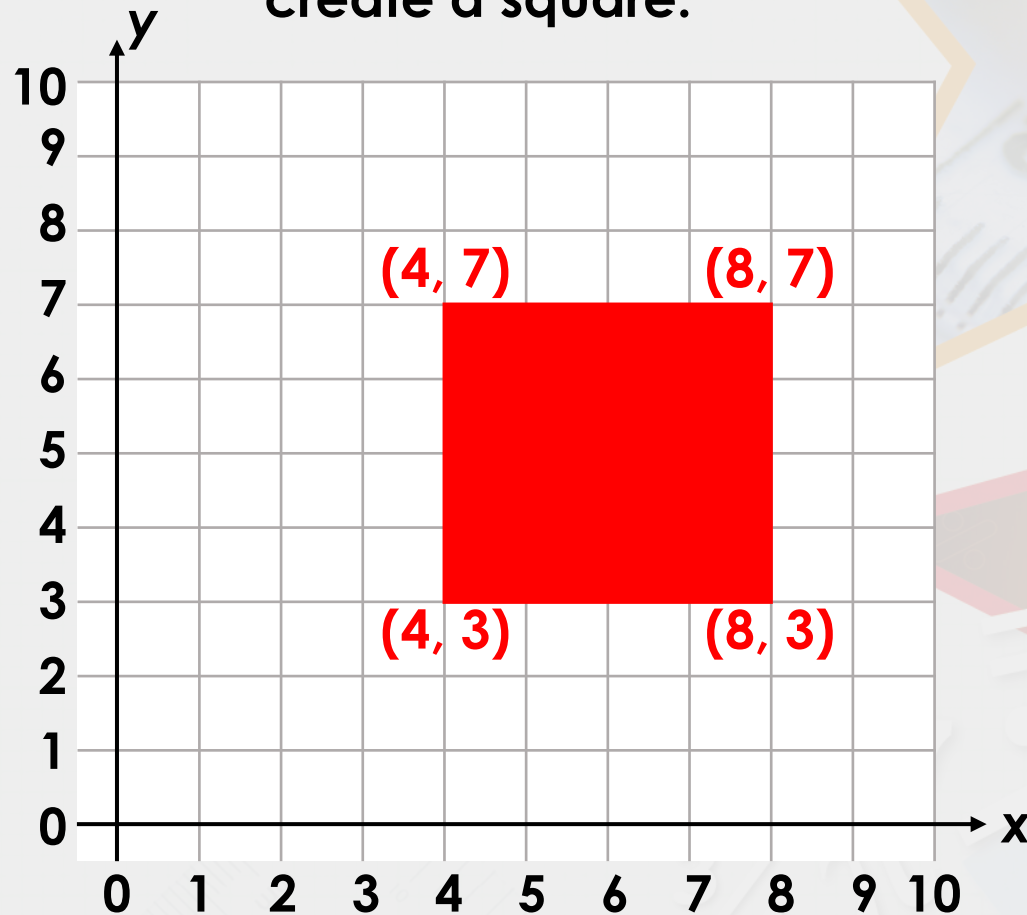same letter but lift your pencil
to start a new line.

Y5

Two coordinates out of four have already been plotted. Write their coordinates and the missing ones that are needed on the grid to create a square.

Two coordinates out of four have already been plotted. Write their coordinates and the missing ones that are needed on the grid to create a square.

You need to plot the y axis first.

True or false?
Explain your answer

Y5

You need to plot the y axis first.
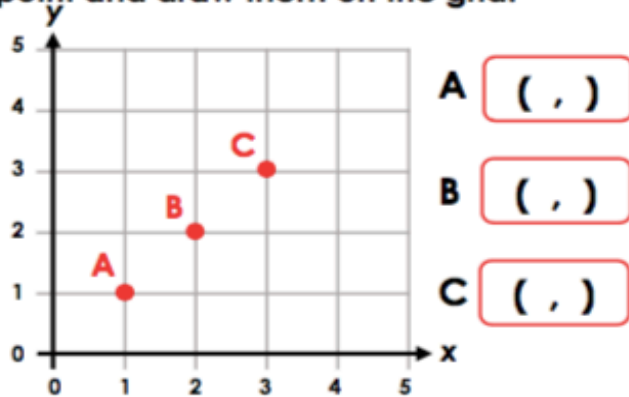
True or false?
Explain your answer

False because…

Y5

You need to plot the y axis first.

True or false?
Explain your answer

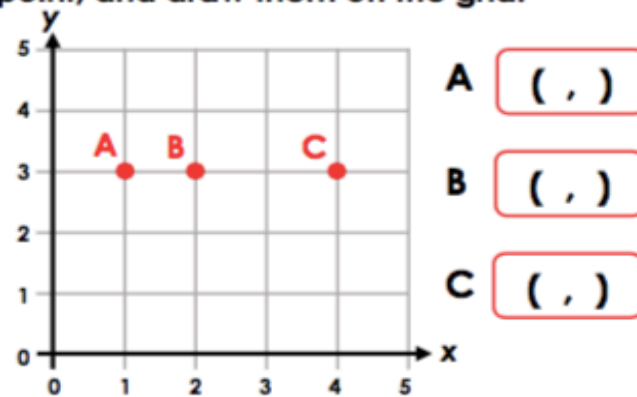False because the x axis comes first then the y axis (along the corridor up the stairs/walk before you climb).

Y5

Year 5 Developing

2a. Each point moves one square up. Write the new coordinates of each new point and draw them on the grid.
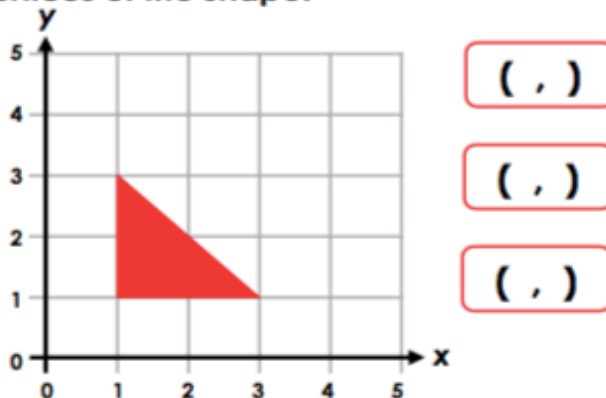

A (,)

B (,)

C (,)

☆ D   5 VF

2b. Each point is moved one square down. Write the new coordinates of each point, and draw them on the grid.
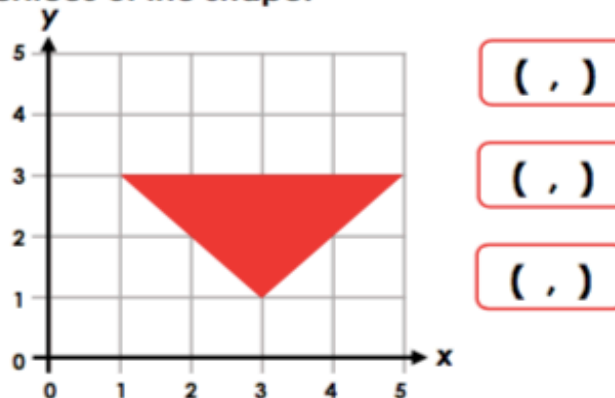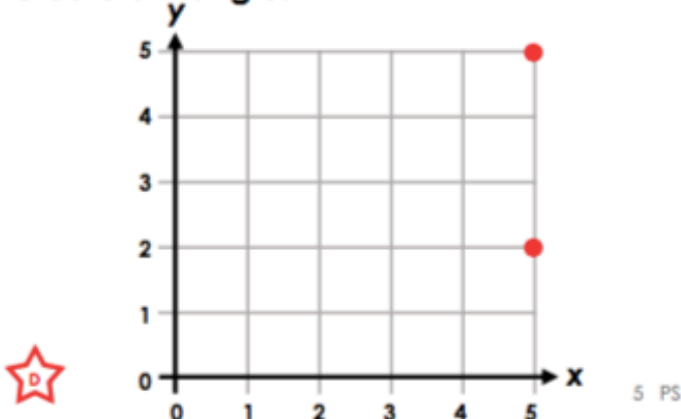

A (,)

B (,)

C (,)

☆ D   5 VF

3a. Look at the shape drawn on the grid below. Write the coordinates of the vertices of the shape.

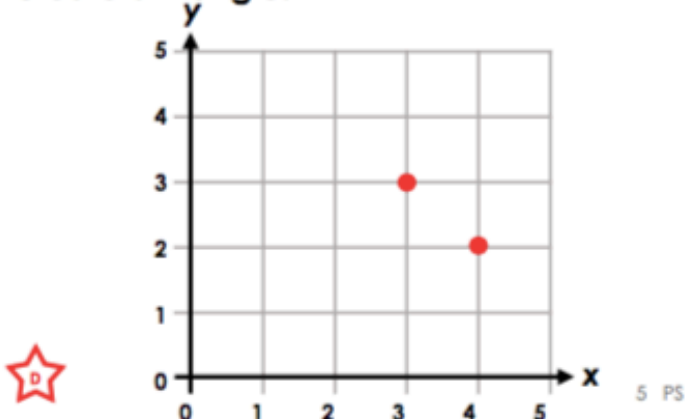(,)

(,)

(,)

3b. Look at the shape drawn on the grid below. Write the coordinates of the vertices of the shape.

(,)

(,)

(,)

2a. Two coordinates out of three have already been plotted. Write another set of coordinates and join them on the grid to create a triangle.
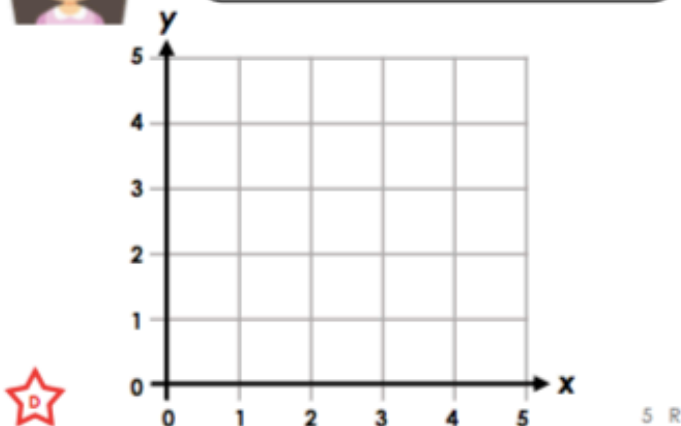

5 PS

2b. Two coordinates out of three have already been plotted. Write another set of coordinates and join them on the grid to create a triangle.

5 PS

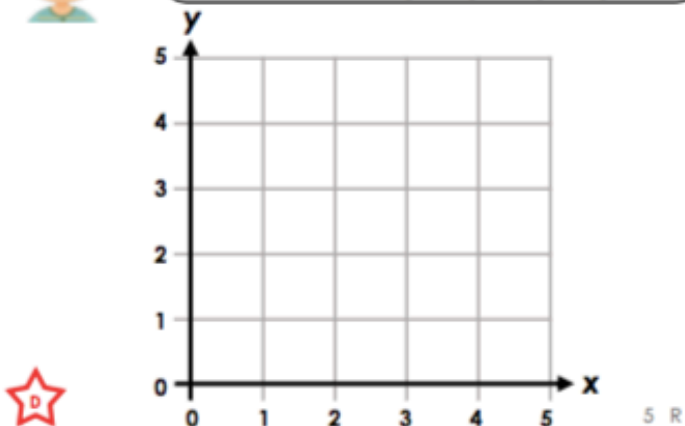**3a.** True or false? Explain your answer.

(1, 4) (1, 3) (1, 2) makes a straight horizontal line.

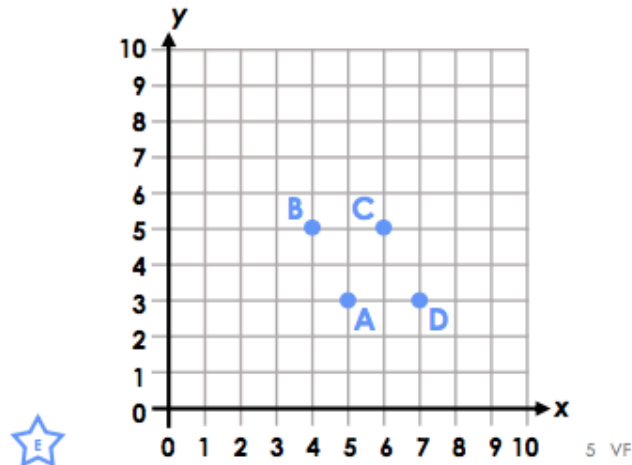5 R

3b. True or false? Explain your answer.

(3, 4) (2, 4) (1, 4) is a straight line, the next point on the left would be (0, 4) or (4, 4).
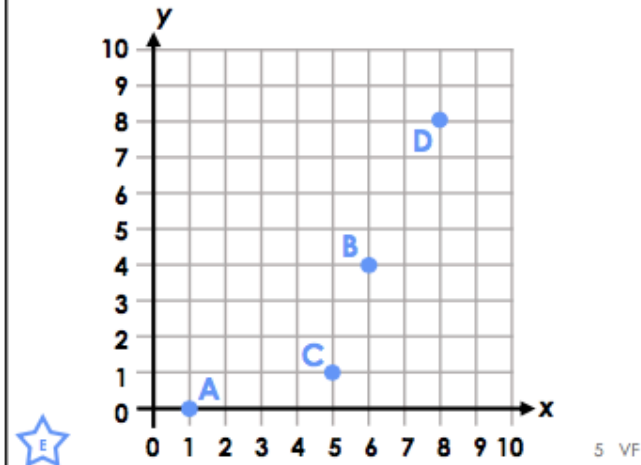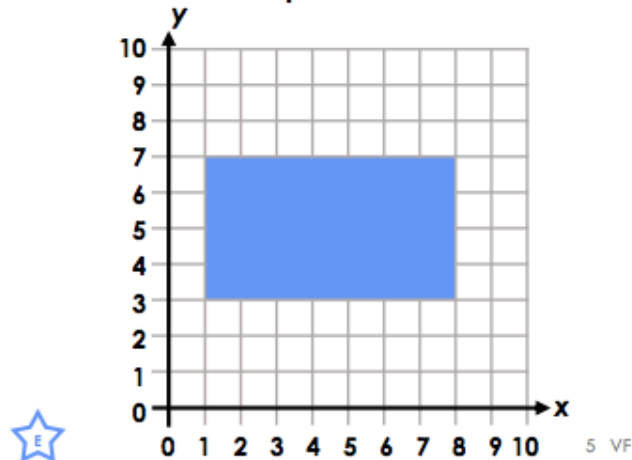

5 R

Year 5 Expected

5a. Each point moves two squares up.
Write the new coordinates of each point.
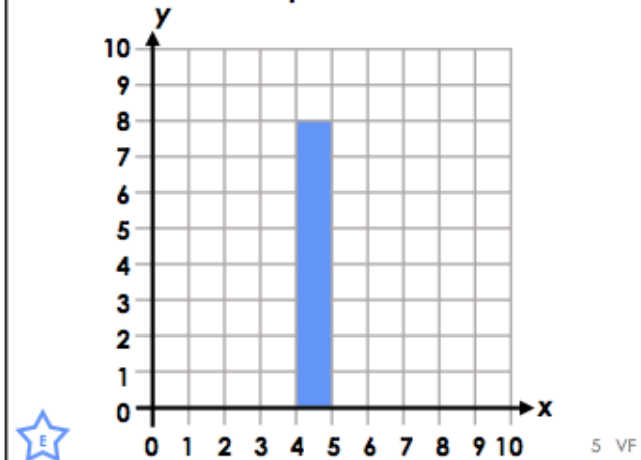

5b. Each point moves two squares right.
Write the new coordinates of each point.
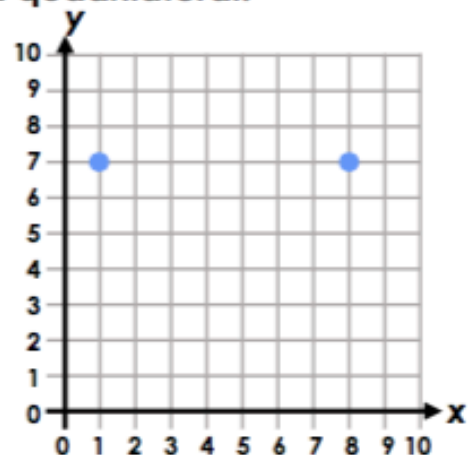

6a. Look at the shape drawn on the grid below. Write the coordinates of the vertices of the shape.

6b. Look at the shape drawn on the grid below. Write the coordinates of the vertices of the shape.

5a. Two coordinates out of four have already been plotted. Write the rest of the coordinates and join them on the grid to create a quadrilateral.
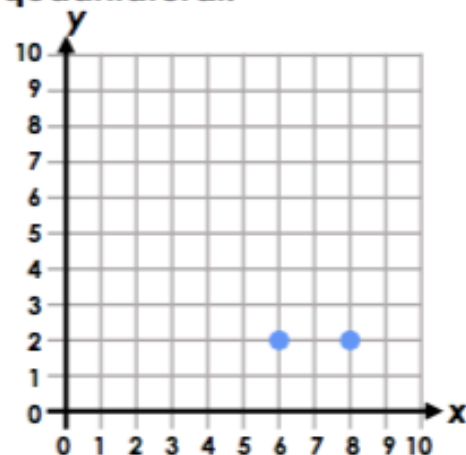
5 PS

5b. Two coordinates out of four have already been plotted. Write the rest of the coordinates and join them on the grid to create a quadrilateral.
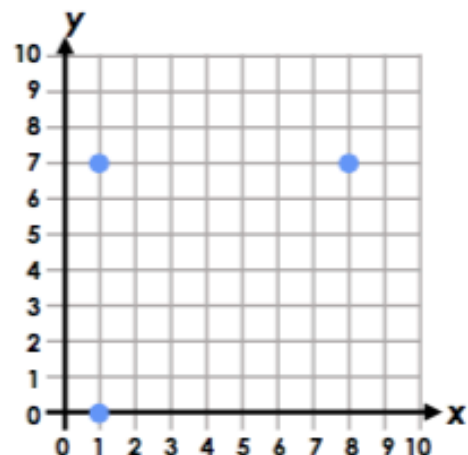
5 PS

6a. True or false? Explain your answer.

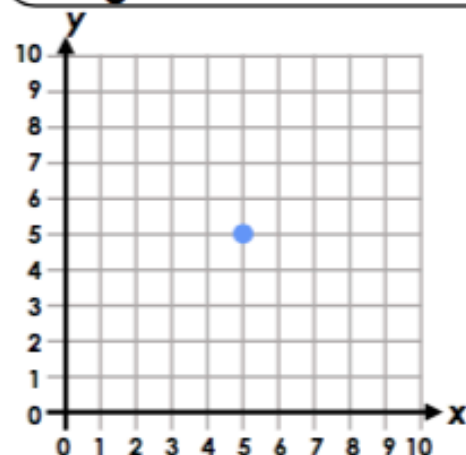If I have 3 coordinates of a square, I can calculate the fourth.

5 R

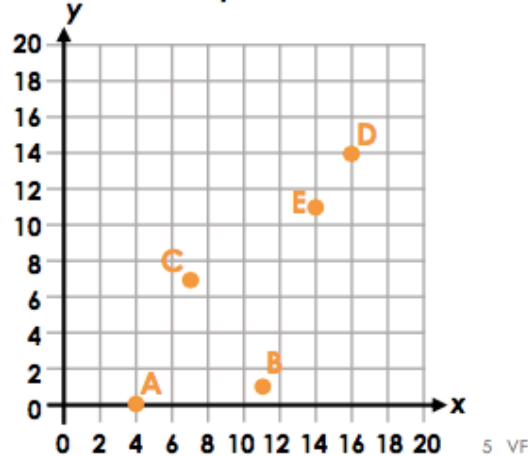**6b.** True or false? Explain your answer.

If only one value changes in a new coordinate, it will make either a horizontal or vertical straight line from where it was.
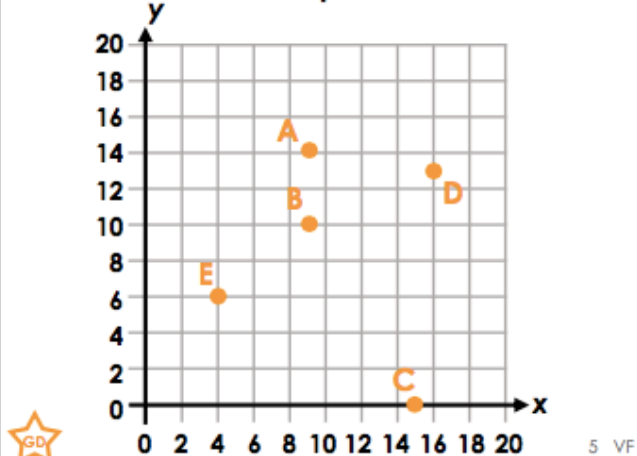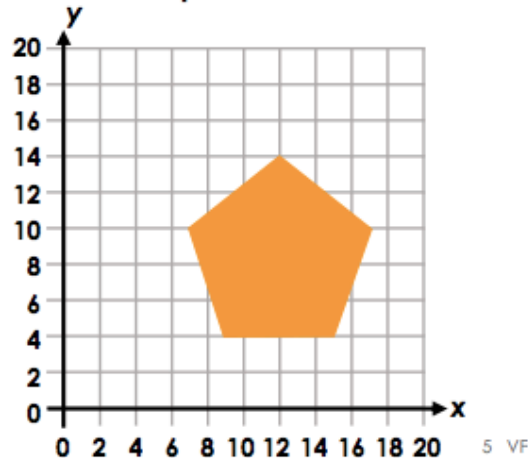
5 R

Year 5 Greater Depth

8a. Each point moves one square left and three squares up. Write the new coordinates of each point.
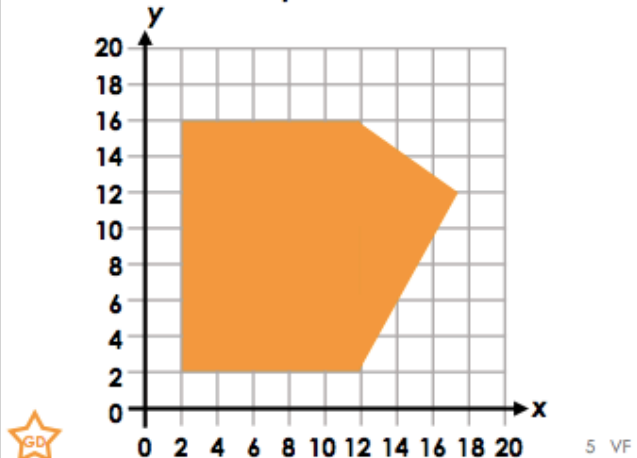

8b. Each point moves two squares right and three squares up. Write the new coordinates of each point.
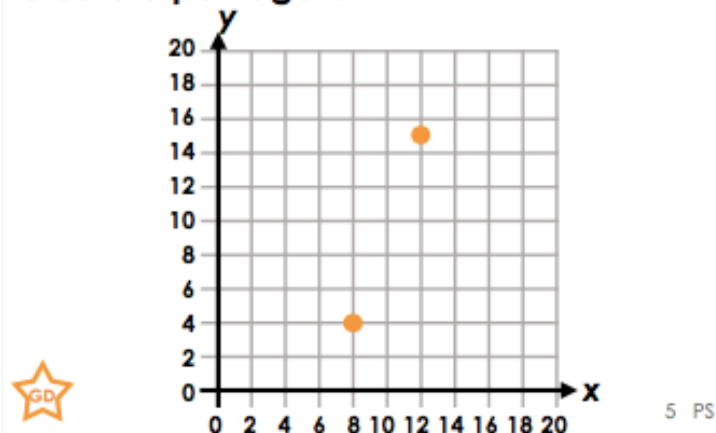

9a. Look at the shape drawn on the grid below. Write the coordinates of the vertices of the shape.
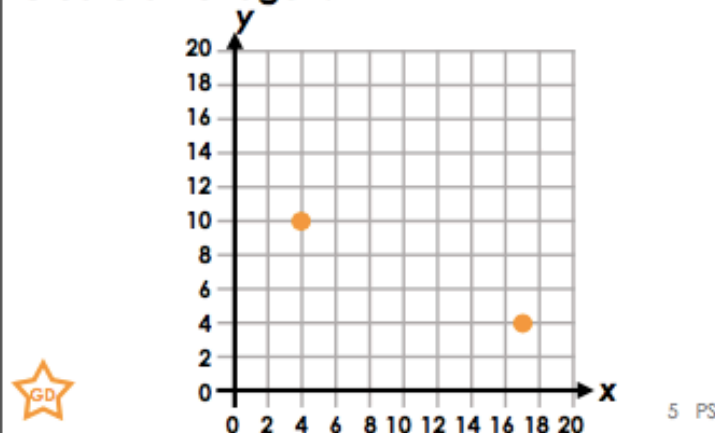

9b. Look at the shape drawn on the grid below. Write the coordinates of the vertices of the shape.

8a. Two coordinates out of five have already been plotted. Write the rest of the coordinates and join them on the grid to create a pentagon.

5 PS

8b. Two coordinates out of six have already been plotted. Write the rest of the coordinates and join them on the grid to create a hexagon.

5 PS

9a. True or false? Explain your answer.

The value of x and y MUST be an integer.

5 R

9b. True or false? Explain your answer.

If your shape touches the top of the grid you cannot move it up any further.

5 R