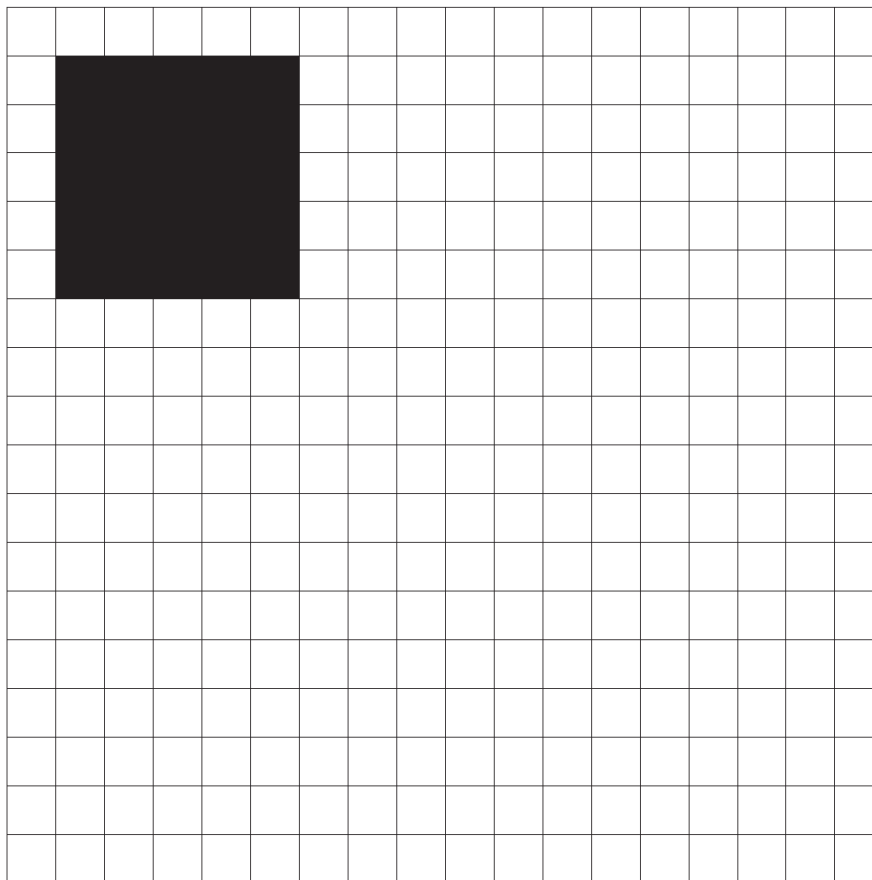


The Coordinate grid – Checkpoint Primary Math**1. No.18**

Chen draws a quadrilateral on a grid of squares.



Yuri draws another quadrilateral using whole squares.

The perimeter of Yuri's quadrilateral is the same as the perimeter of Chen's quadrilateral.

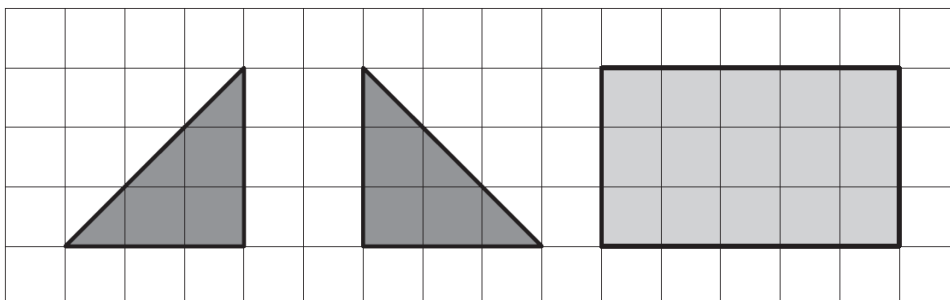
The area of Yuri's quadrilateral is as **small as possible**.

Draw Yuri's quadrilateral on the grid.

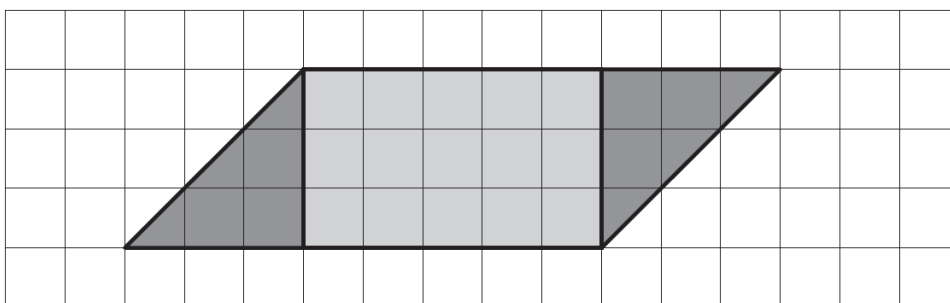
[2]

2. No.26

Here are three shapes drawn on a grid of squares.

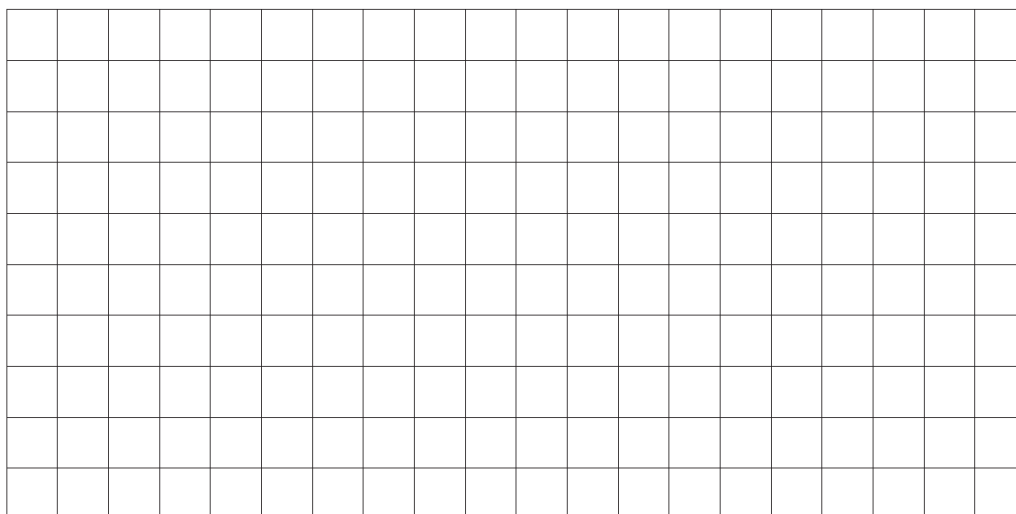


These shapes can be combined to make a parallelogram.



There are **two** other **different** quadrilaterals that could be created using the same three shapes.

(a) Draw **one** of these shapes on the grid.



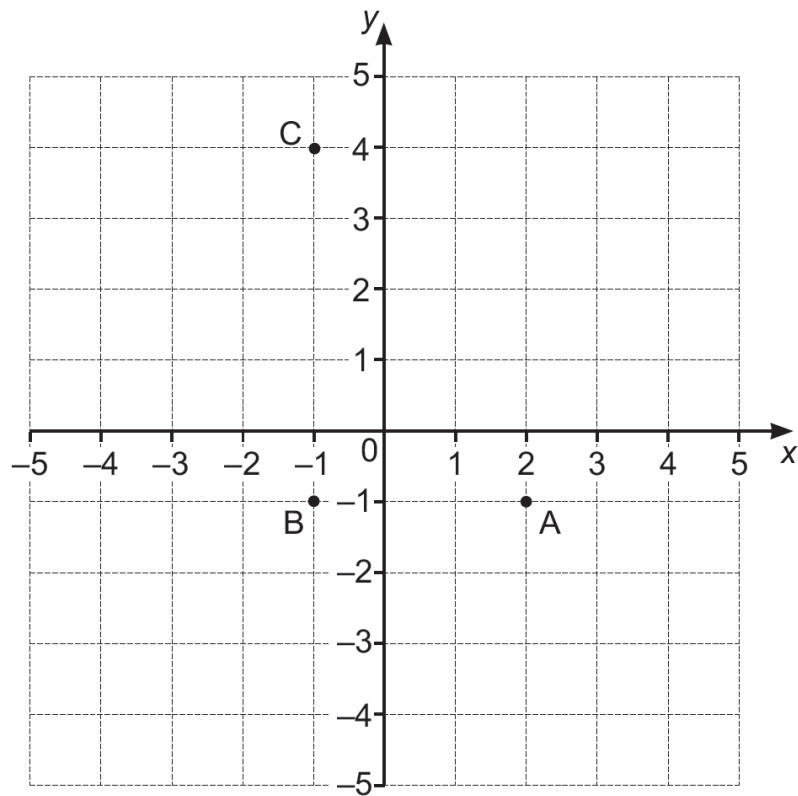
[1]

(b) Write the name of the **other** possible shape.

[1]

3. No.3

Here are points A, B and C plotted on a coordinate grid.



ABCD is a rectangle.

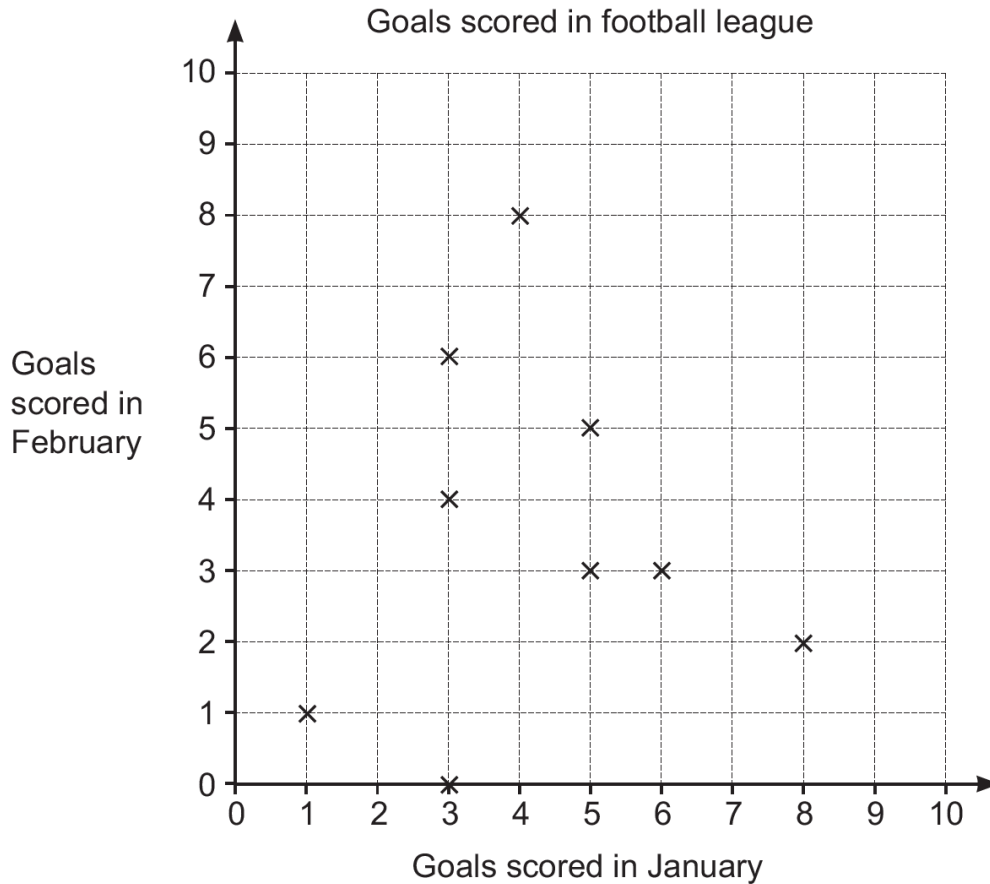
Write the coordinates of D.

(..... , ...) [1]

4. No.7

Some teams play in a football league.

The total number of goals each team scores in January and the total number of goals each team scores in February are shown in a scatter graph.



- (a)** Berlin United score 6 goals in January and 3 goals in February.

Draw a ring around the point on the scatter graph that represents Berlin United.

[1]

- (b)** London United score 9 goals in January and 4 goals in February.

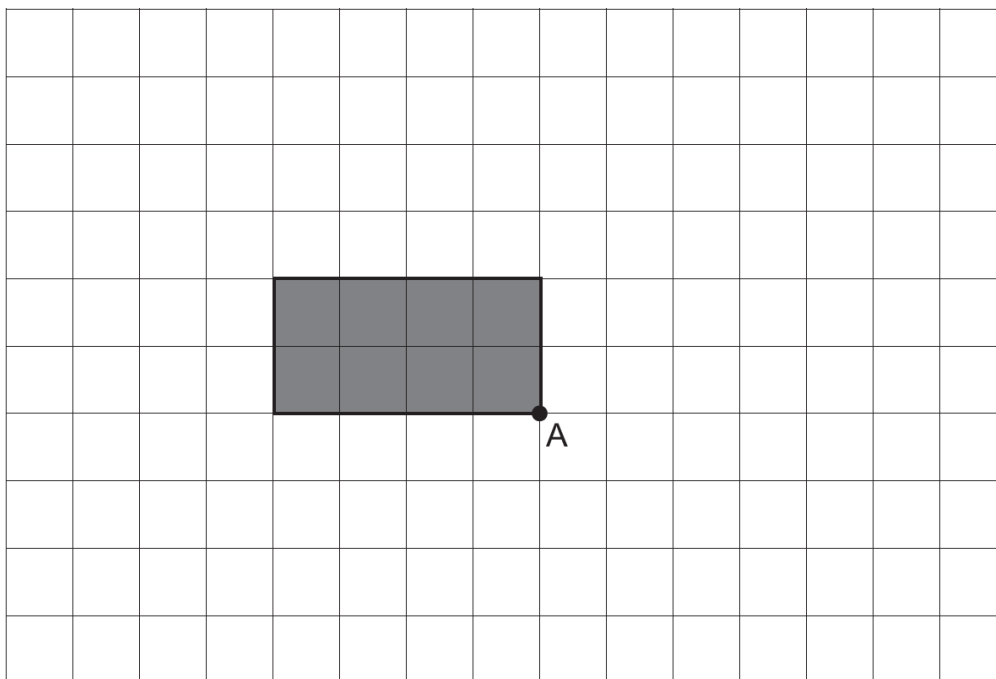
Plot a point for London United on the scatter graph.

[1]

5. No.8

A shape is drawn on a grid of squares.

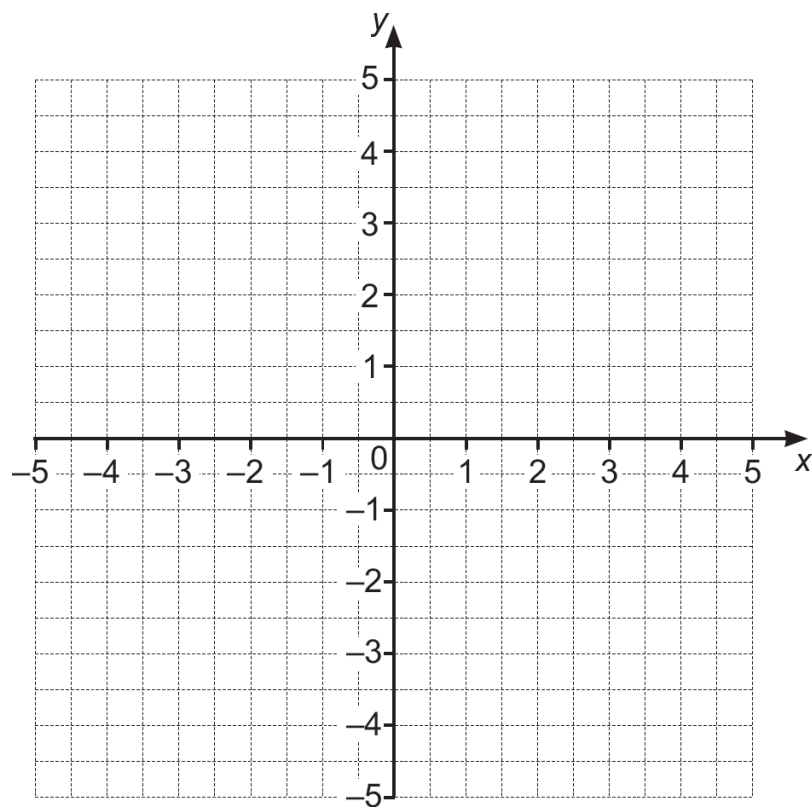
Rotate the shape 90° clockwise about point A.



[1]

6. No.14

Here is a coordinate grid.

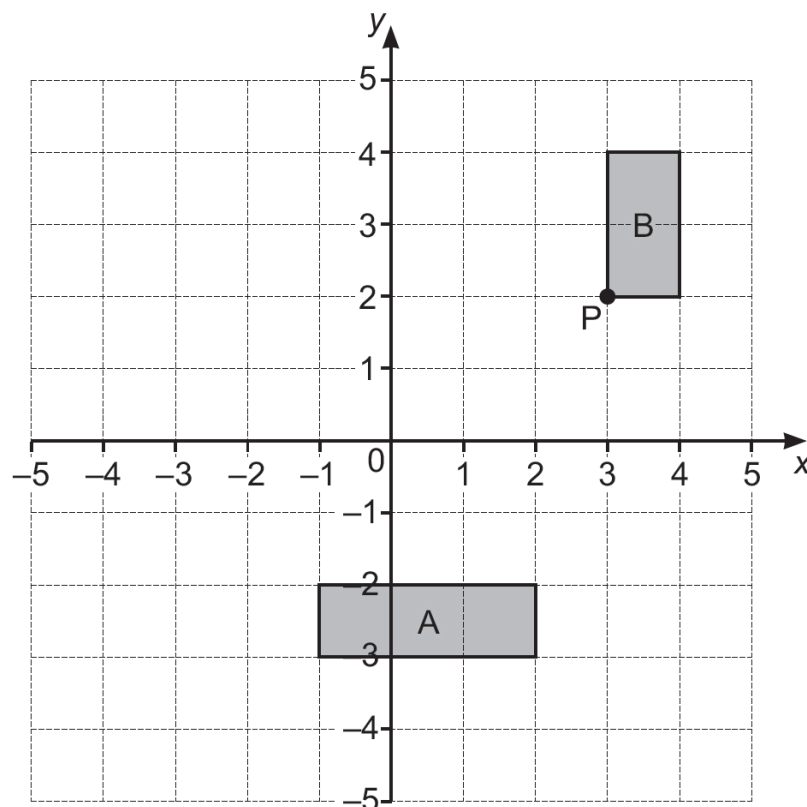


Plot the point with coordinates $(-2.5, 4)$

[1]

7. No.17

Here are two rectangles drawn on a coordinate grid.



- (a) Rectangle A is translated 3 squares up and 1 square left.

Draw the new position of Rectangle A.

[1]

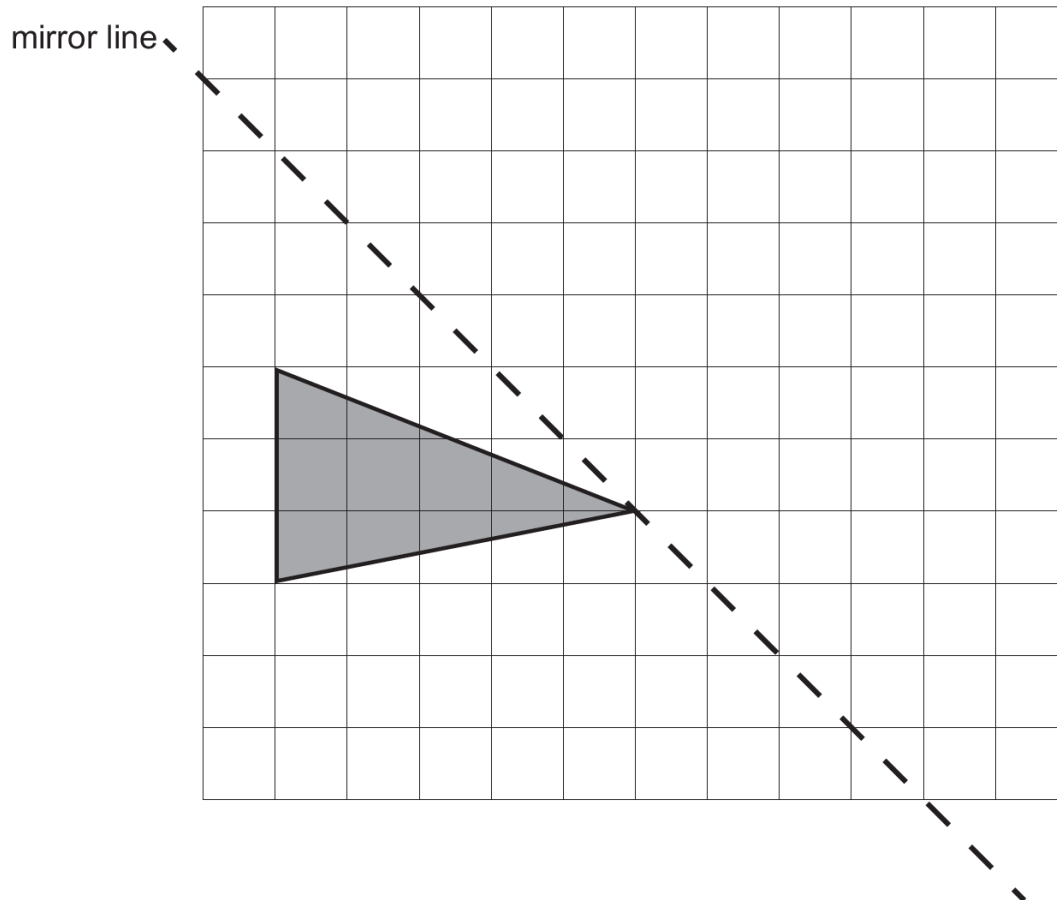
- (b) Rectangle B is translated 3 squares to the right.

Write the new coordinates of the vertex marked P.

(..... , ...) [1]

8. No.29

Here is a shape drawn on a grid of squares.



The shape is reflected in the mirror line.

Draw the reflection of the shape.

[1]