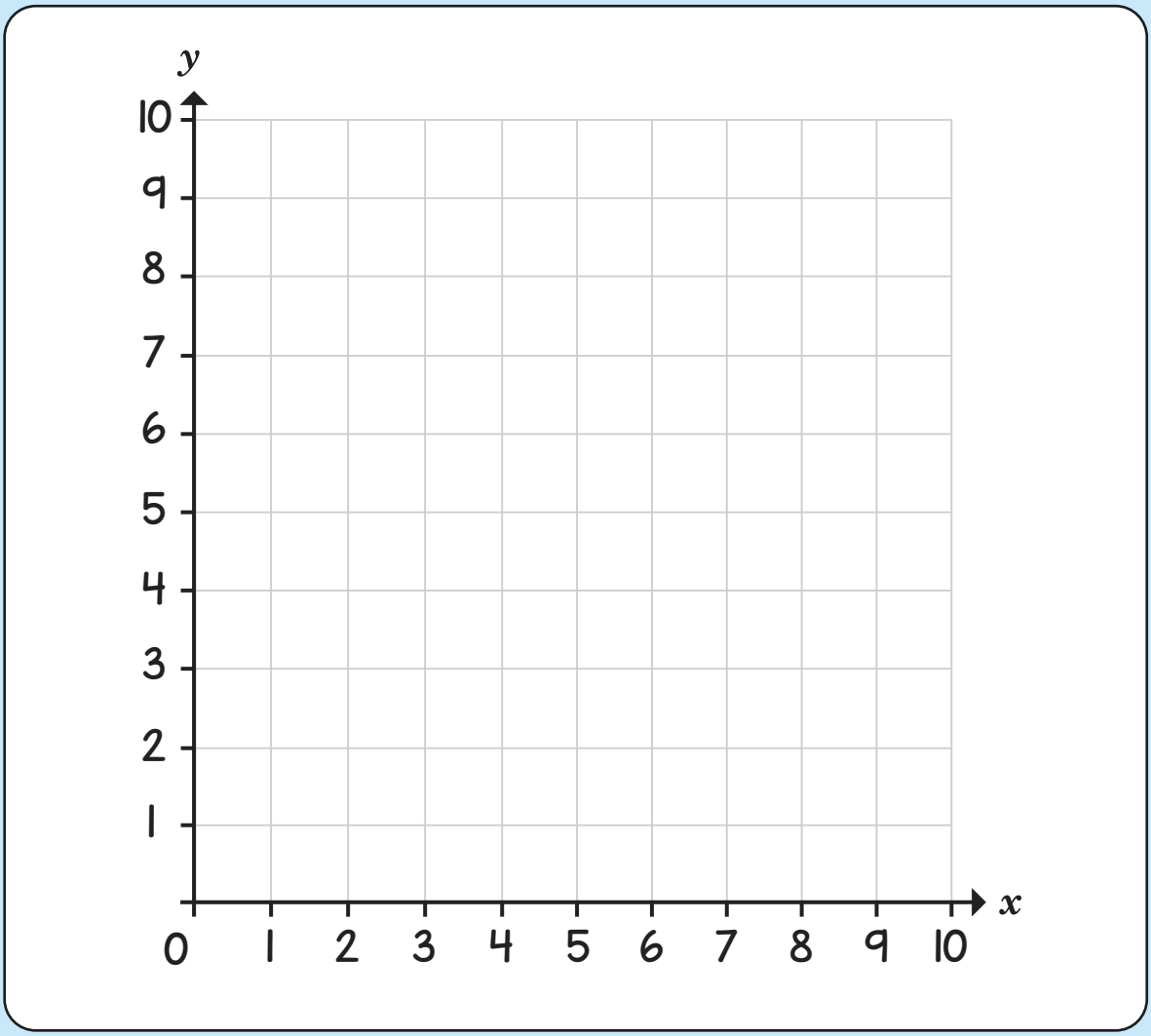
5 POSITION AND DIRECTION

From White Rose Maths schemes for Year 5 Summer Term

BLOCK 3 - POSITION AND DIRECTION

1 Plot the coordinates on the grid.

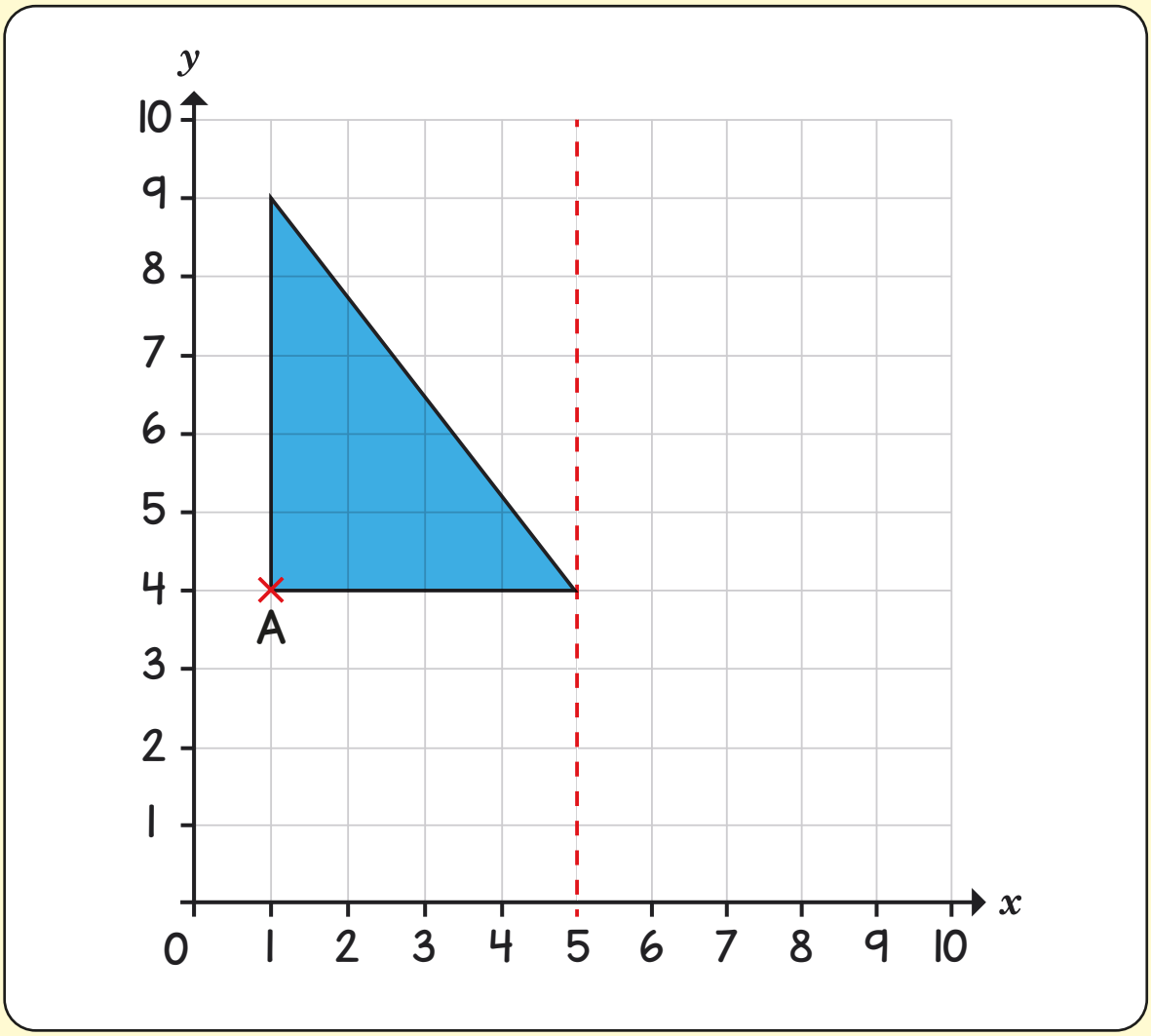
(2, 2) (3, 5) (6, 2) (7, 5)



Join the points.

What type of quadrilateral have you drawn?

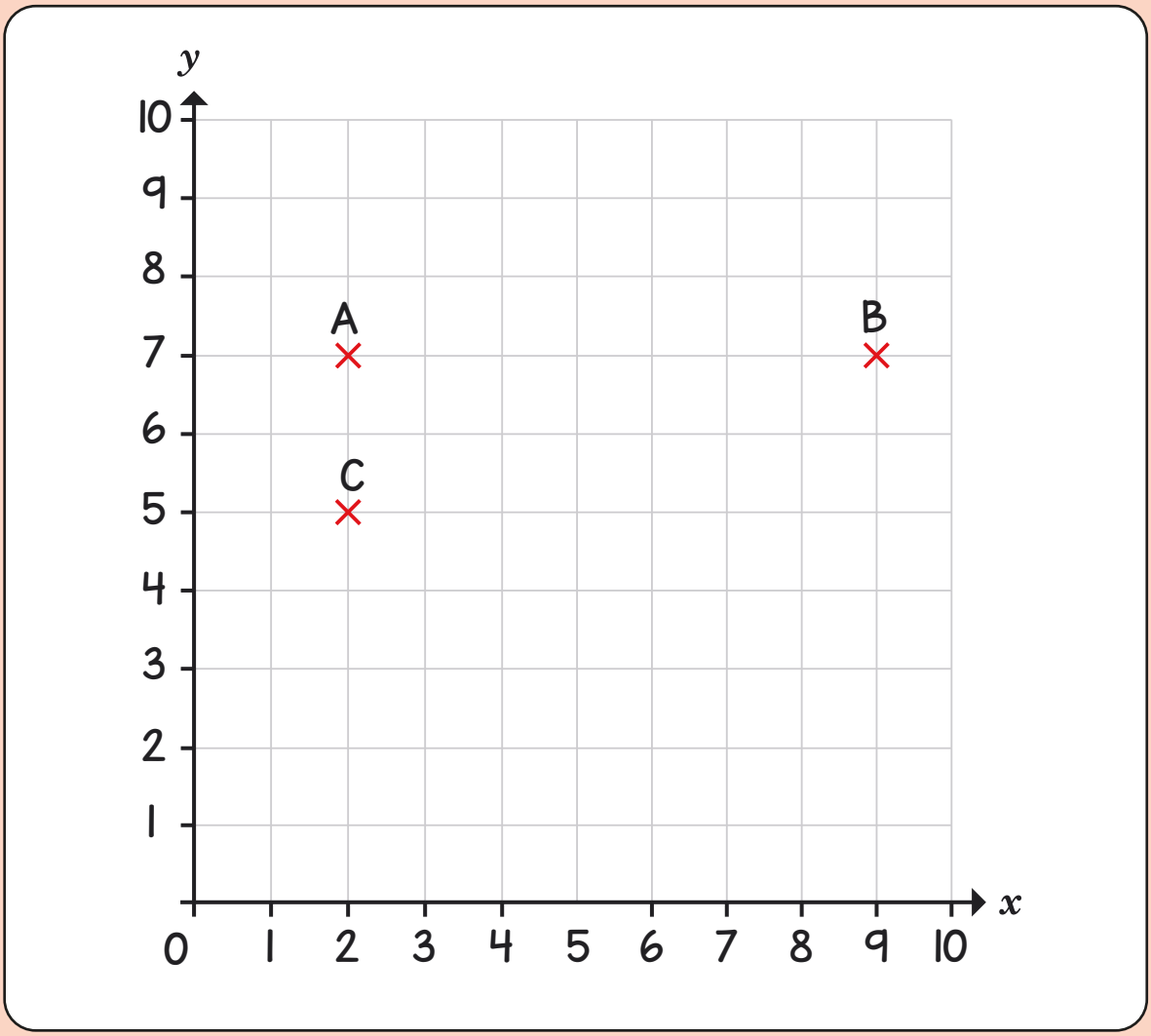
2 Reflect the triangle in the mirror line.



What are the coordinates of the reflection of point A?

(☐ , ☐)

3 Write the coordinates of points A, B and C.



A (☐ , ☐)

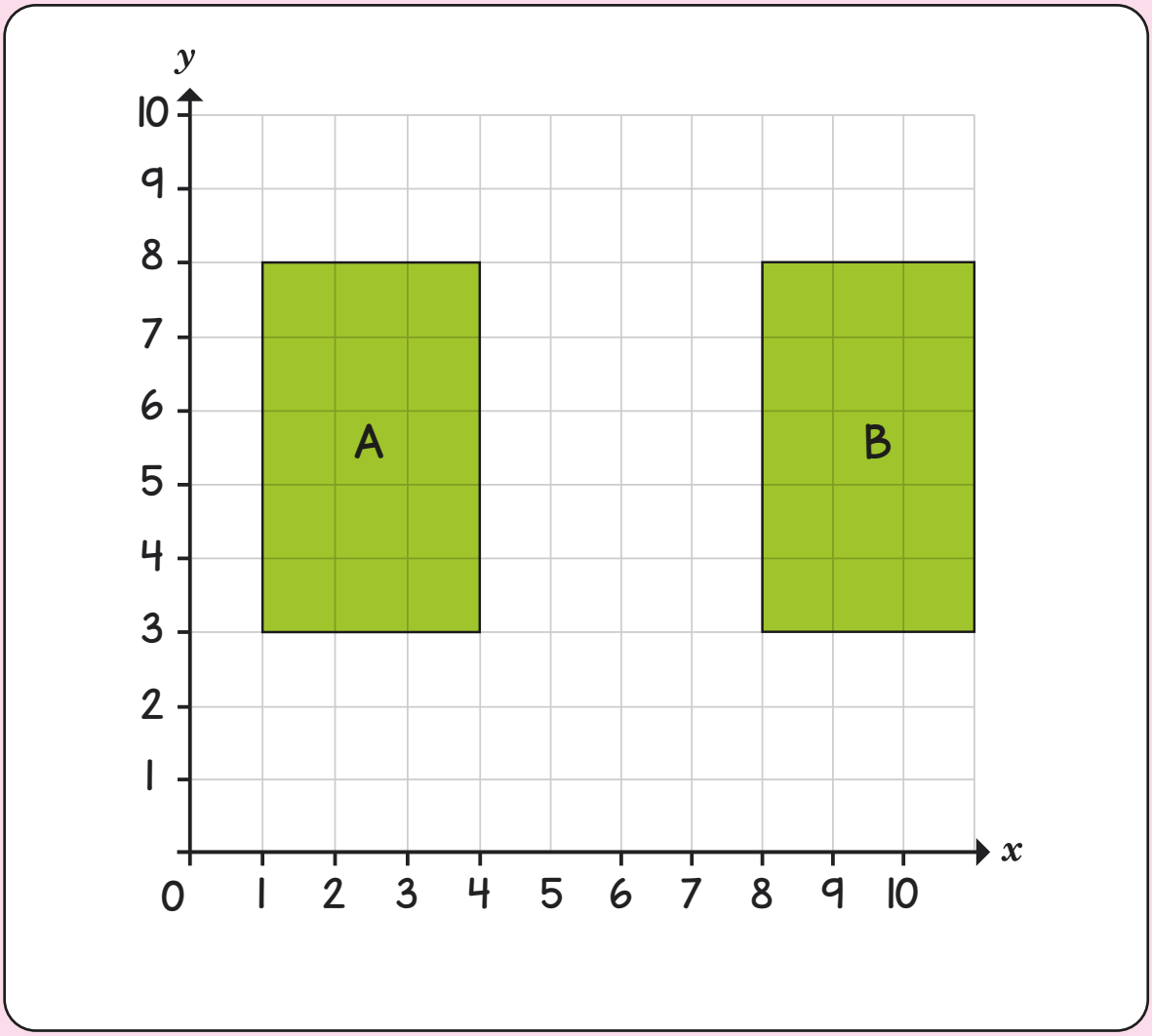
B (☐ , ☐)

C (☐ , ☐)

Plot the final point to make a rectangle.

4 Rectangle A has been reflected to rectangle B.

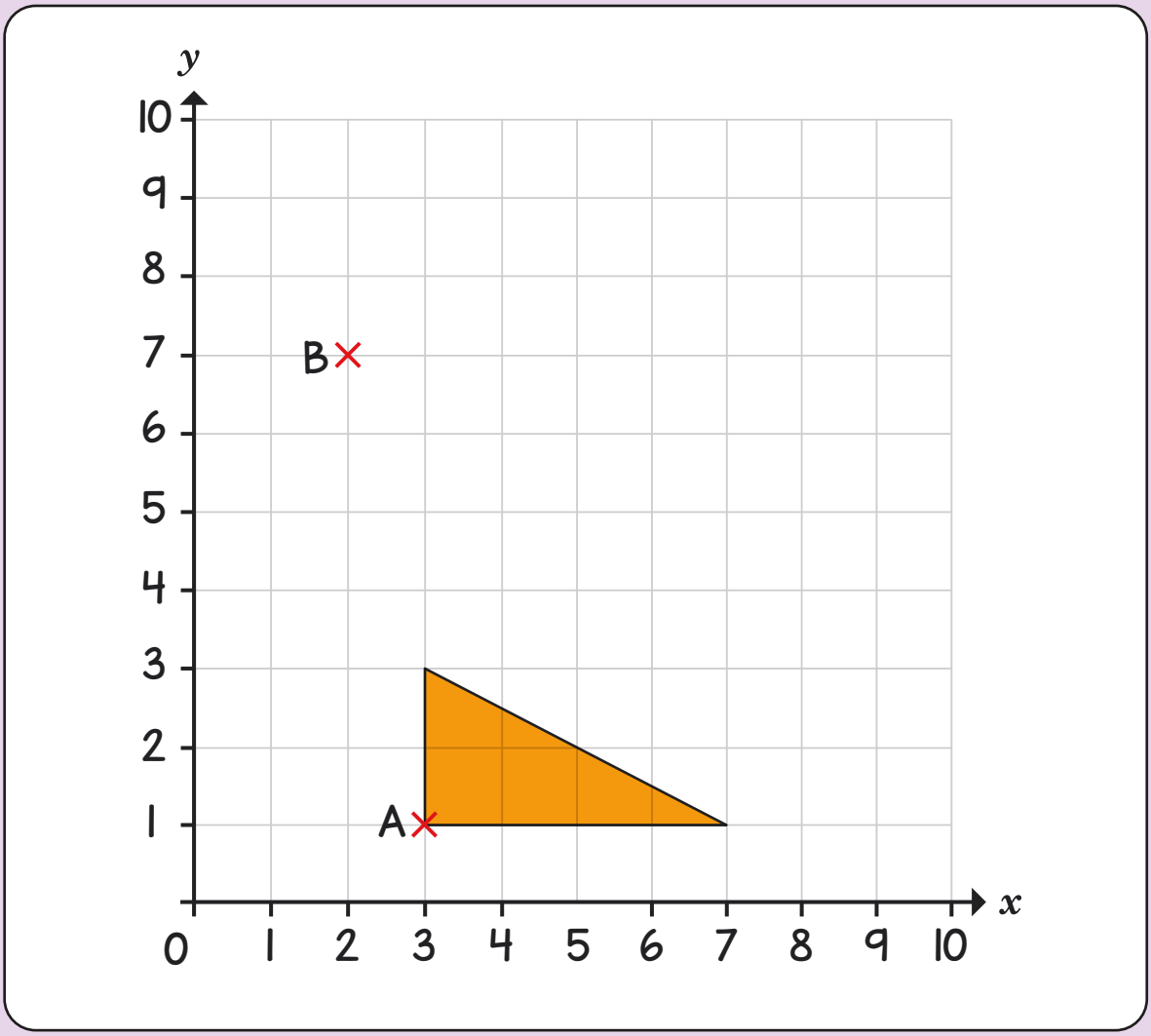
Draw the mirror line.



Complete the sentence to describe the translation from A to B.

Rectangle A has moved ☐ squares right and ☐ squares up.

5 Point A has been translated to point B.



Describe the translation.

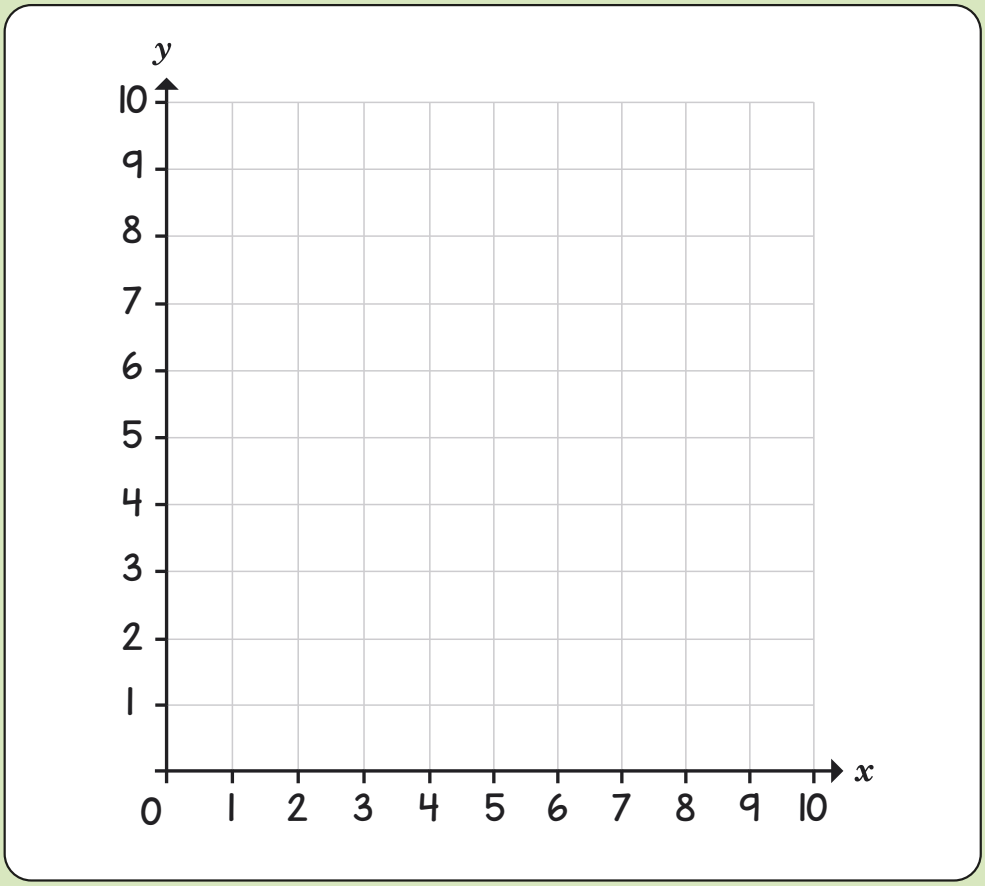
Point A has been translated _____

and _____

Complete the translation for the triangle.

6 Complete the sentences.

You may use the grid to help.



(6, 8) translated 4 squares left is (☐ , ☐)

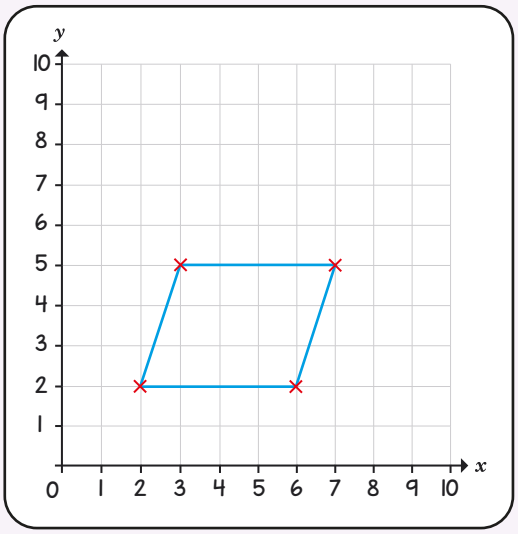
(7, 5) translated 1 square down is (☐ , ☐)

(2, 4) translated 3 squares right and 6 squares up is (☐ , ☐)

(5, ☐) translated 7 squares up is (☐ , 8)

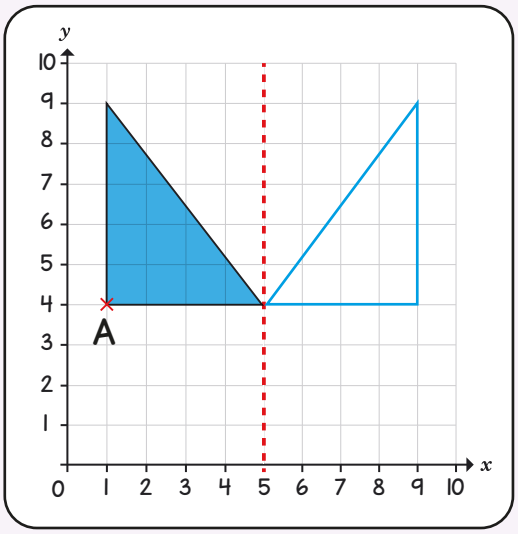
Answers

1



parallelogram

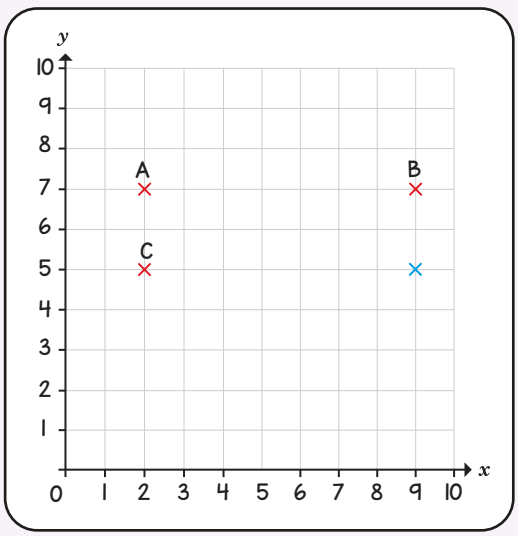
2



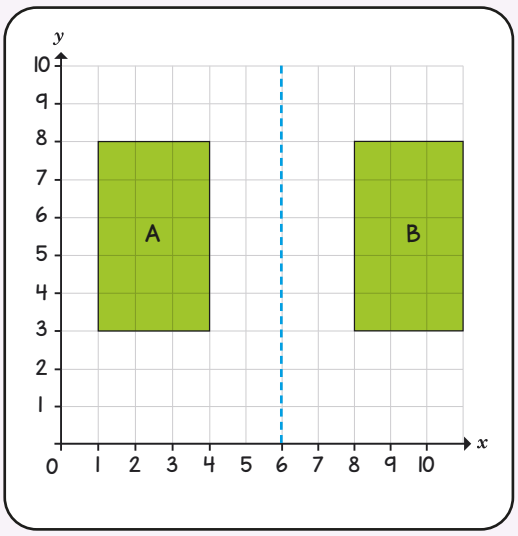
(9, 4)

3

A (2, 7)
B (9, 7)
C (2, 5)

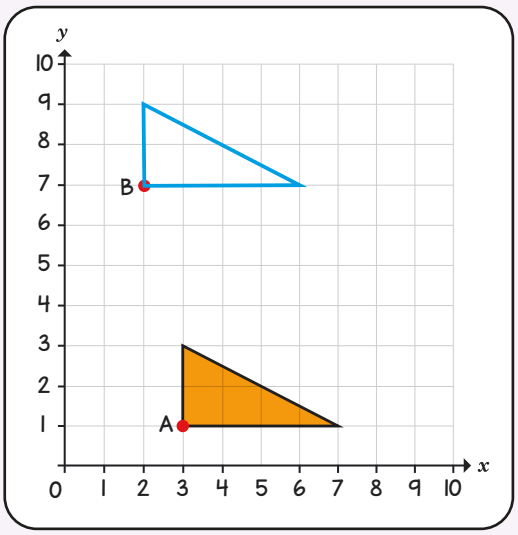


4



Rectangle A has moved **7** squares right and **0** squares up.

5 Point A has been translated **1 square left** and **6 squares** up.



6 (6, 8) translated 4 squares left is (**2**, **8**).

(7, 5) translated 1 square down is (**7**, **4**).

(2, 4) translated 3 squares right and 6 squares up is (5, **10**).

(5, **1**) translated 7 squares up is (**5**, 8).