

# 5

## POSITION AND DIRECTION

White  
Rose  
Maths

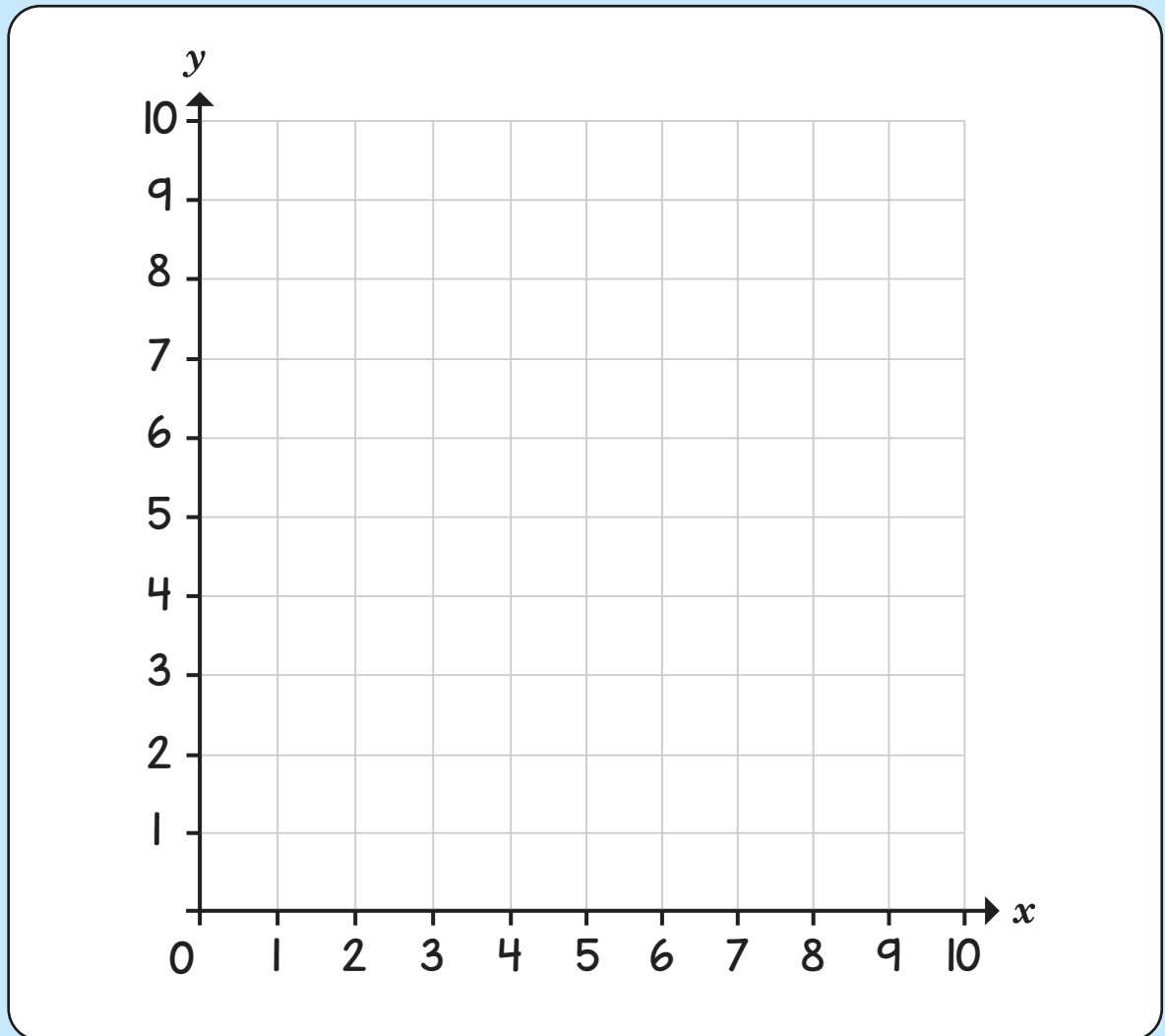


From White Rose Maths schemes for Year 5 Summer Term  
**BLOCK 3 - POSITION AND DIRECTION**



Plot the coordinates on the grid.

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

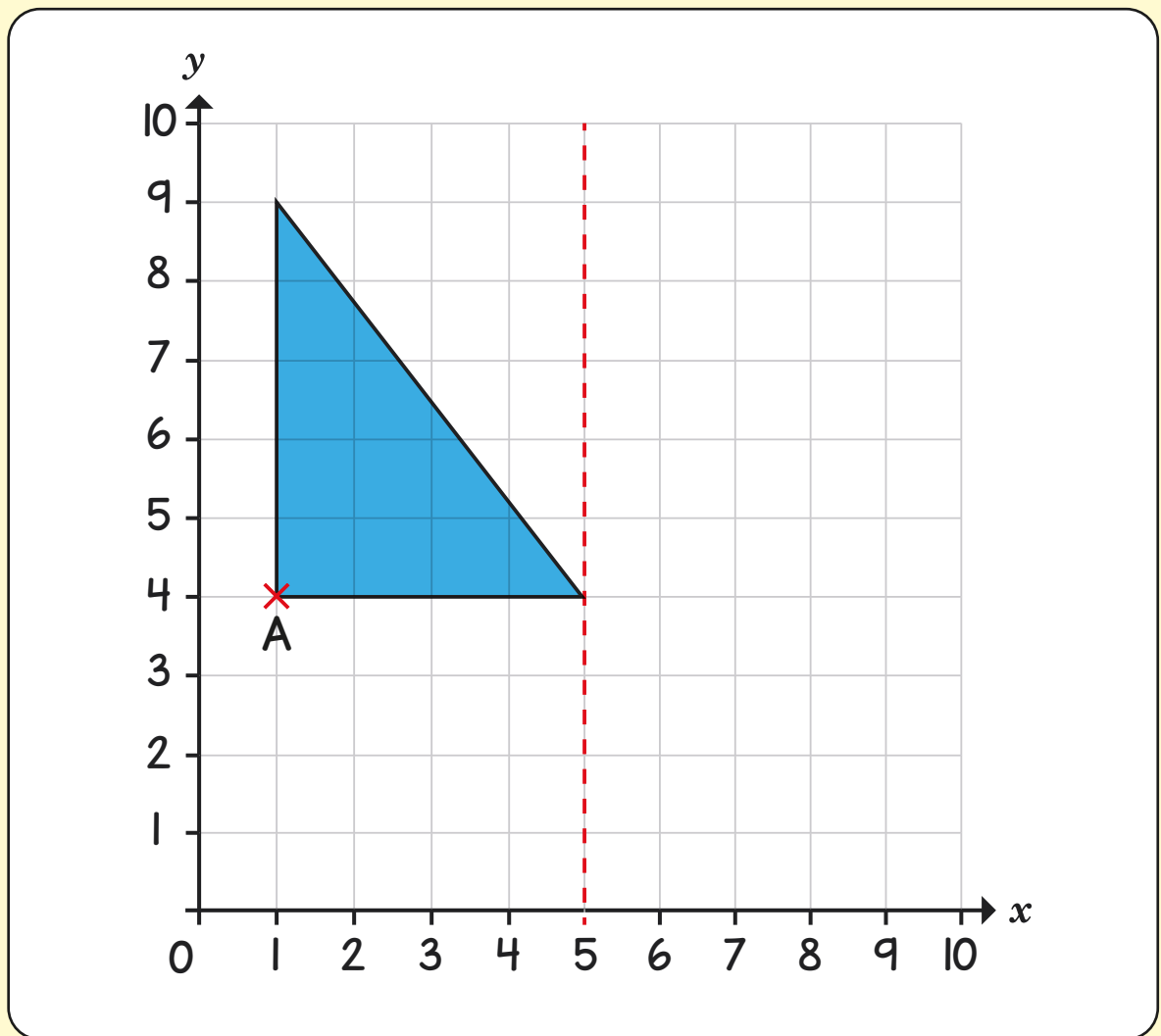


Join the points.

What type of quadrilateral have you drawn?

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- 2 Reflect the triangle in the mirror line.

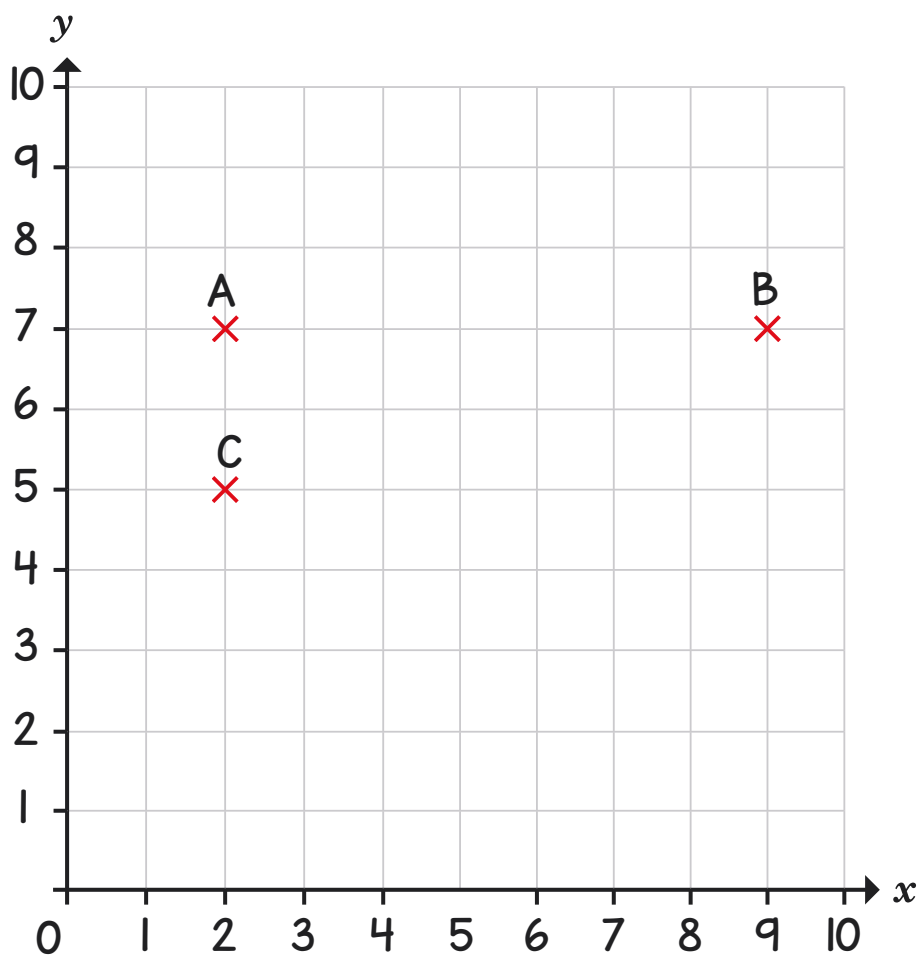


What are the coordinates of the reflection of point A?

(  ,  )

3

Write the coordinates of points A, B and C.



A (  ,  )

B (  ,  )

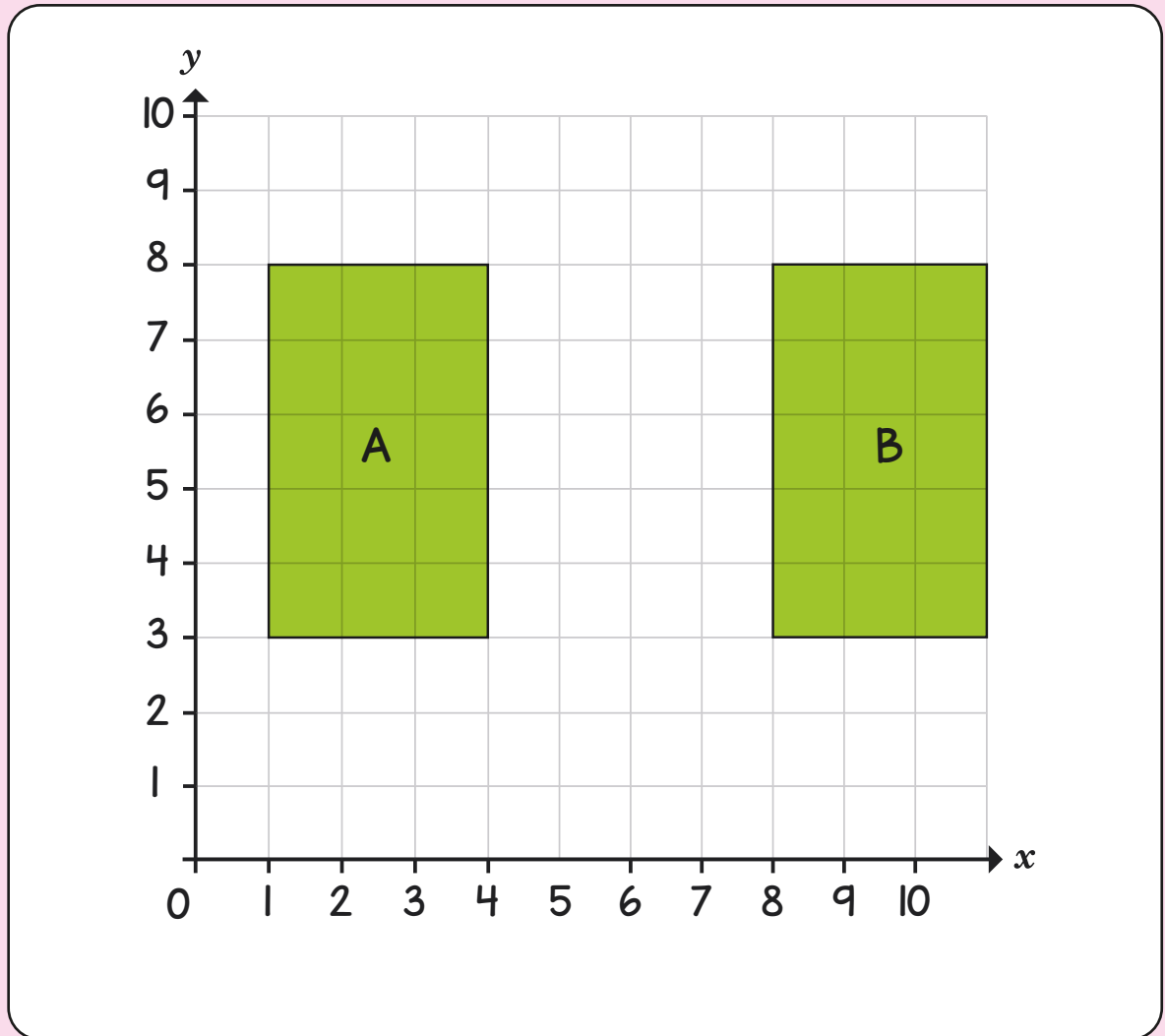
C (  ,  )

Plot the final point to make a rectangle.

4

Rectangle A has been reflected to rectangle B.

Draw the mirror line.



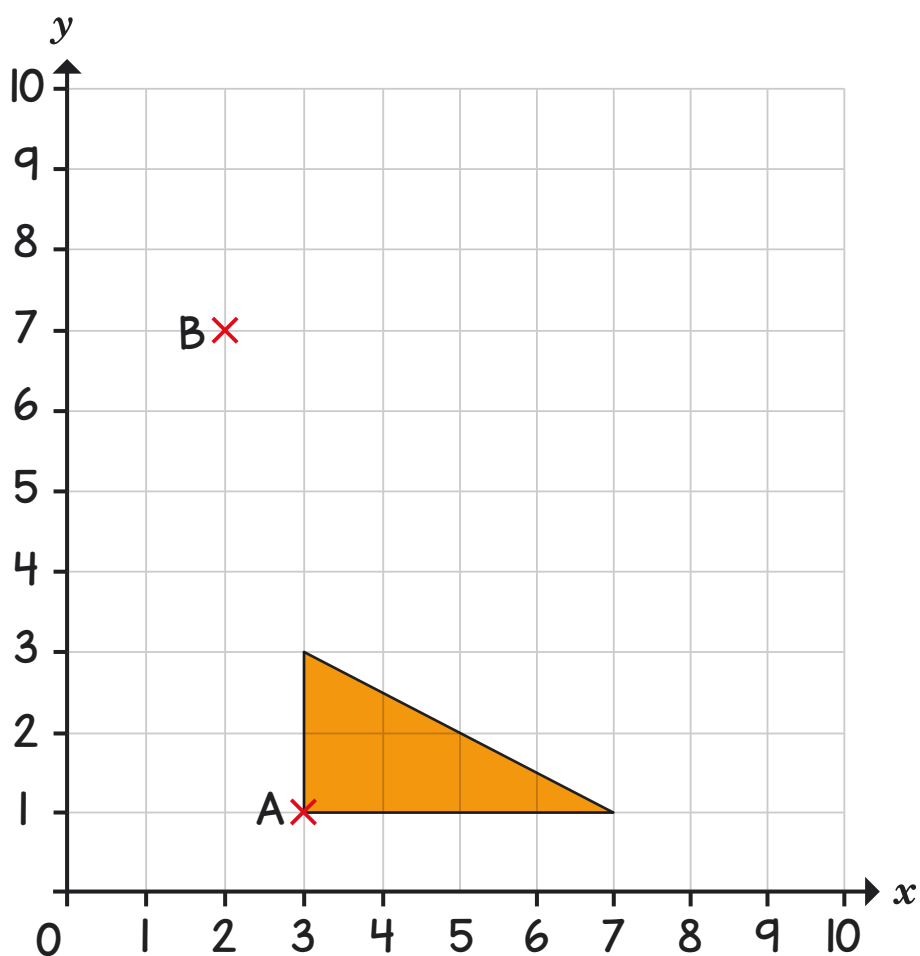
Complete the sentence to describe the translation from A to B.

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 \_\_\_\_\_

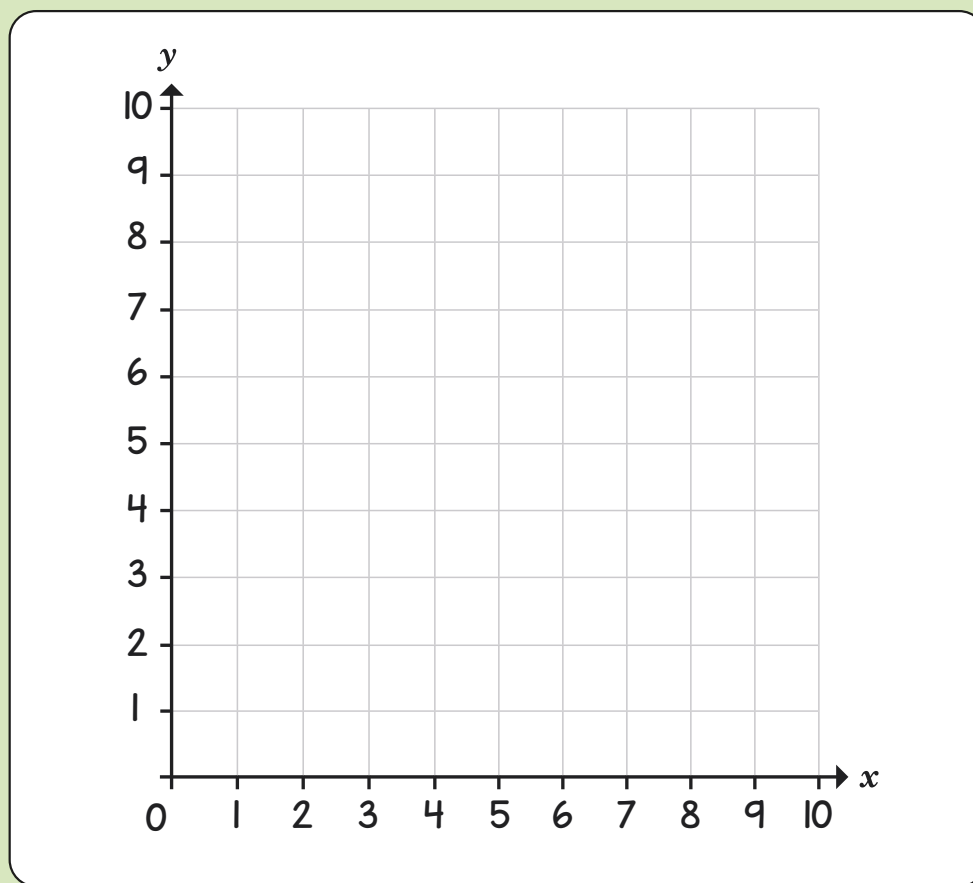
and \_\_\_\_\_

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 (  ,  )

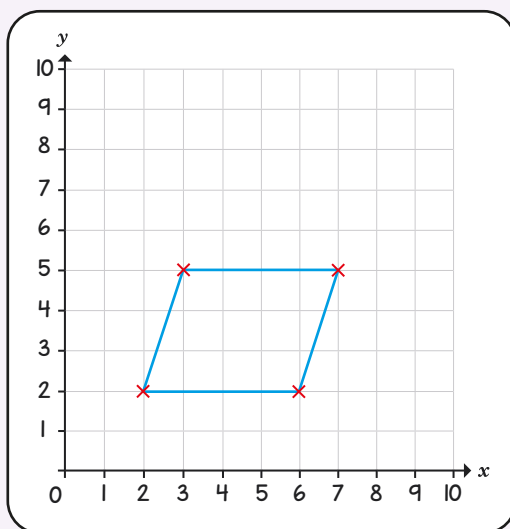
(2, 4) translated 3 squares right and 6 squares  
up is (  ,  )

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

# Answers

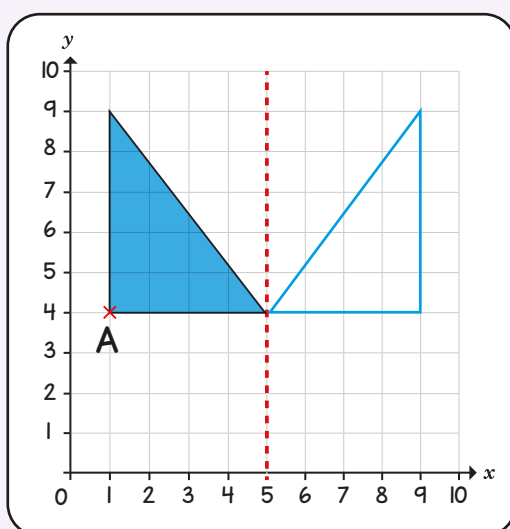


1



parallelogram

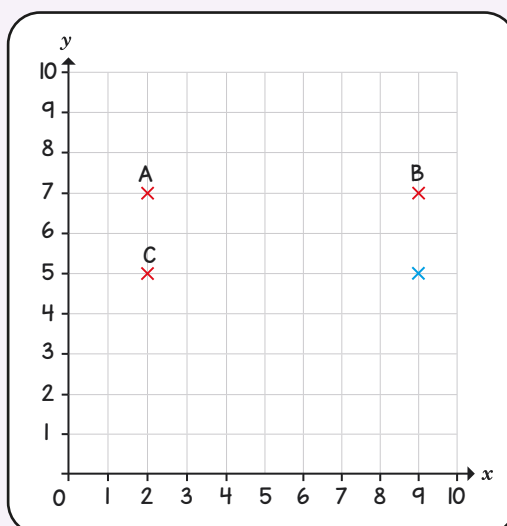
2



(9, 4)

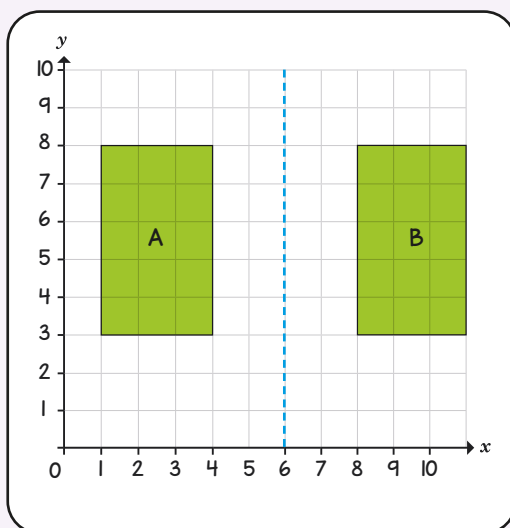
3

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





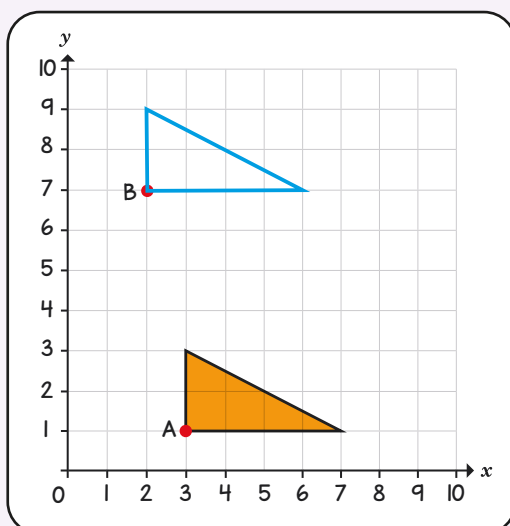
4



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).