

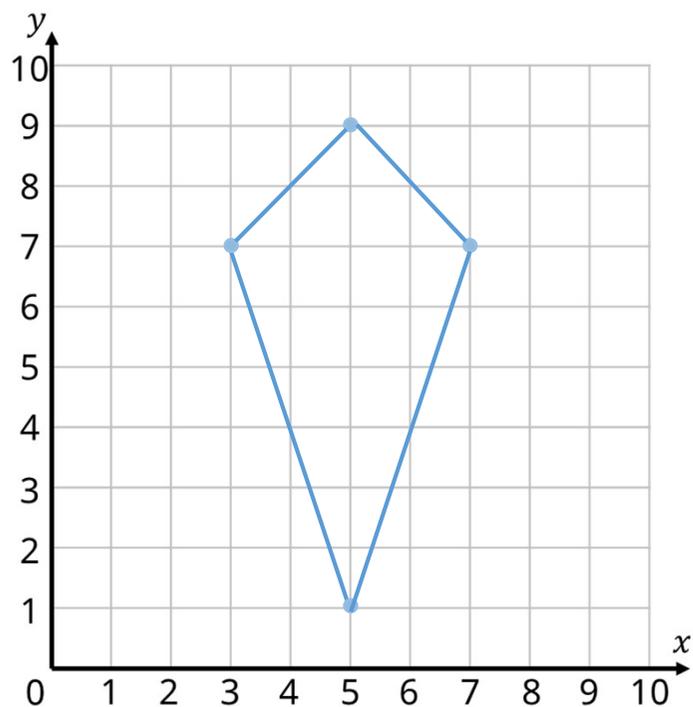
# Position and direction

A

Name \_\_\_\_\_

1 Plot the co-ordinates on the grid.

(5, 9) (3, 7) (7, 7) (5, 1) 1 mark for 2 correct.



Join the points.

What type of quadrilateral have you drawn?

Kite

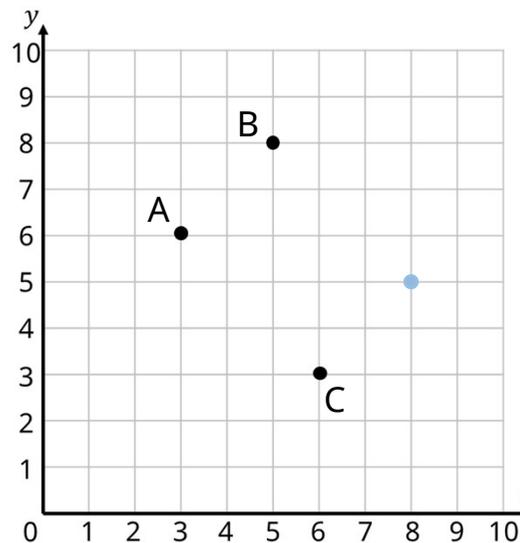


2 marks



1 mark

2 Write down the co-ordinates of A, B and C.



A = ( 3 , 6 )

B = ( 5 , 8 )

C = ( 6 , 3 )



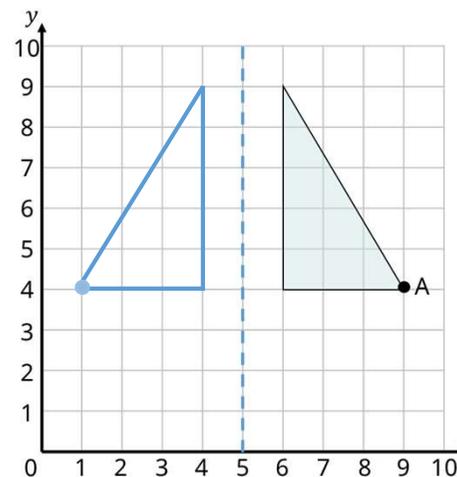
3 marks



1 mark

Plot the final point to make a rectangle.

3 Reflect the triangle in the mirror line.



1 mark for 2 correct co-ordinates.

What are the co-ordinates of the new point A?

( 9 , 4 )

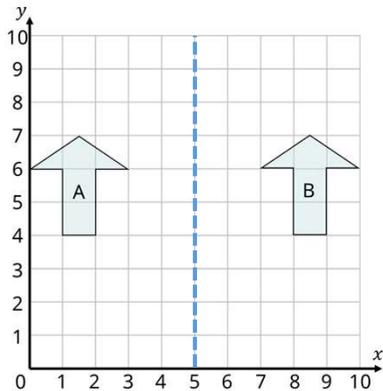


2 marks



1 mark

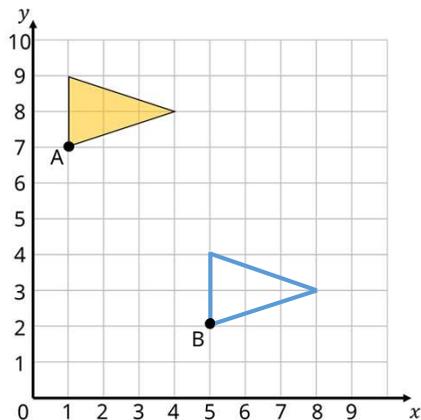
- 4 Arrow B is a reflection of arrow A. Draw the mirror line.



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

Arrow A has moved 7 right and 0 up.

- 5 Point A has been translated to point B.



Describe the translation.

Point A has translated 4 right and 5 down

Complete the triangle's translation.



1 mark



2 marks

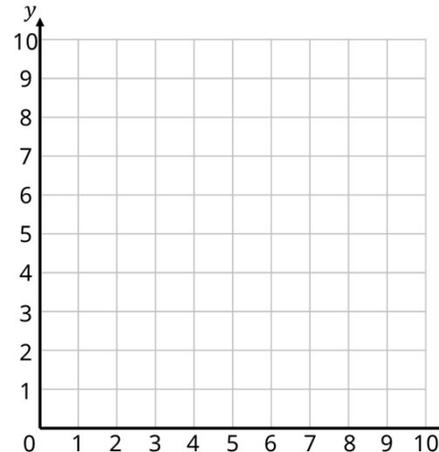


2 marks



1 mark

- 6 Complete the missing co-ordinates. You may use the grid to help you.



1 mark for  
2 correct.

(8, 6) translated 2 left is ( 6 , 6 )

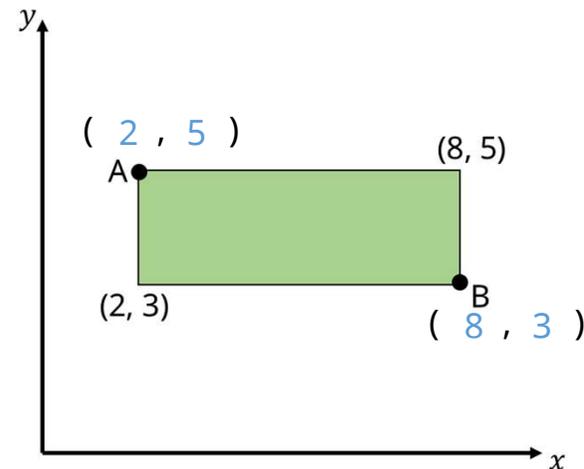
(4, 5) translated 2 right and 5 up is ( 6 , 10 )

( 7 , 2 ) translated 7 up is (7, 9)



2 marks

- 7 Complete the co-ordinates of A and B.



2 marks