Name:

Exam Style Questions

Rotations

Corbettmaths

Equipment needed: Pencil, ruler & pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

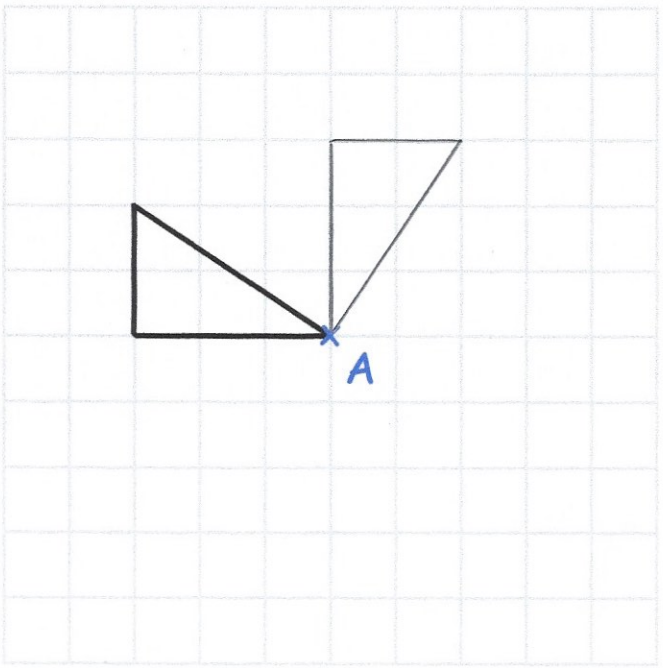
Video Tutorial

www.corbettmaths.com/contents

Video 275

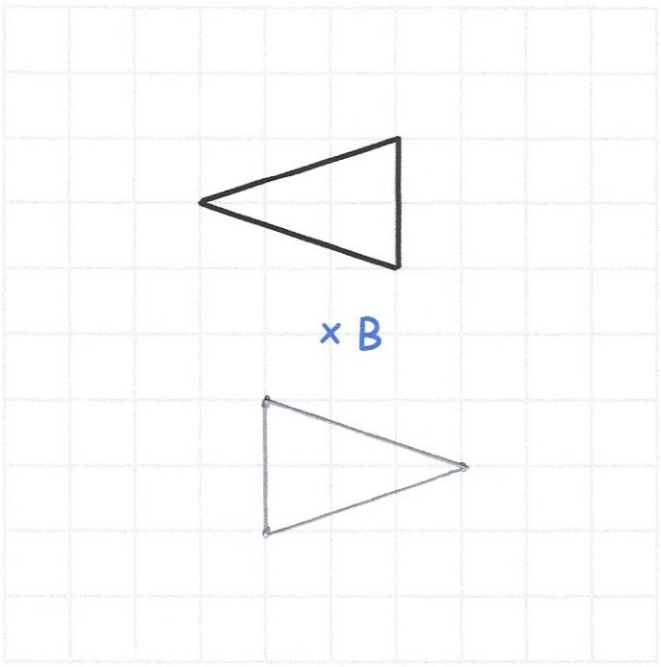
Answers and Video Solutions

1. Rotate the triangle 90° clockwise about the point A



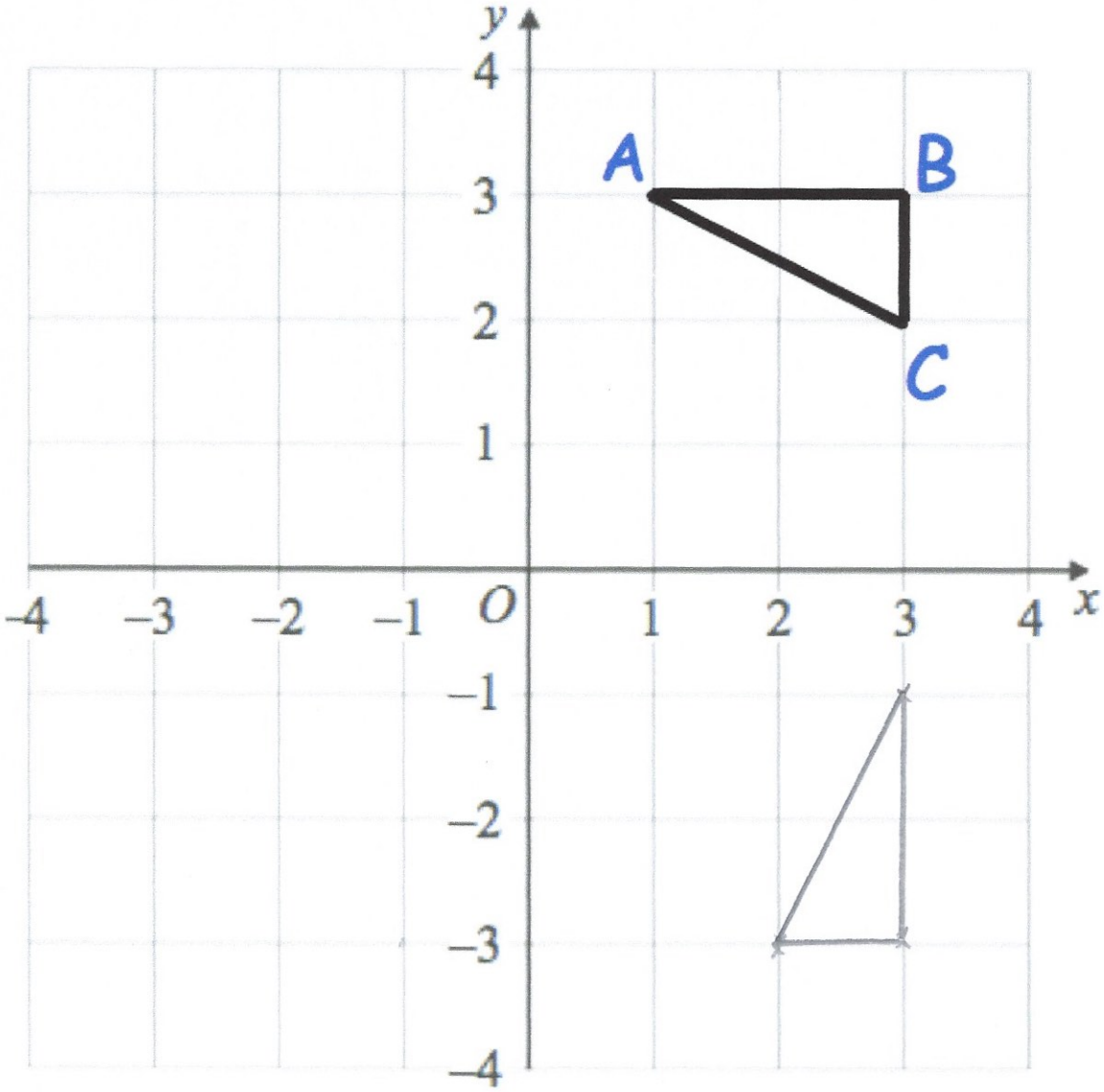
(2)

2. Rotate the triangle 180° about the point B



(2)

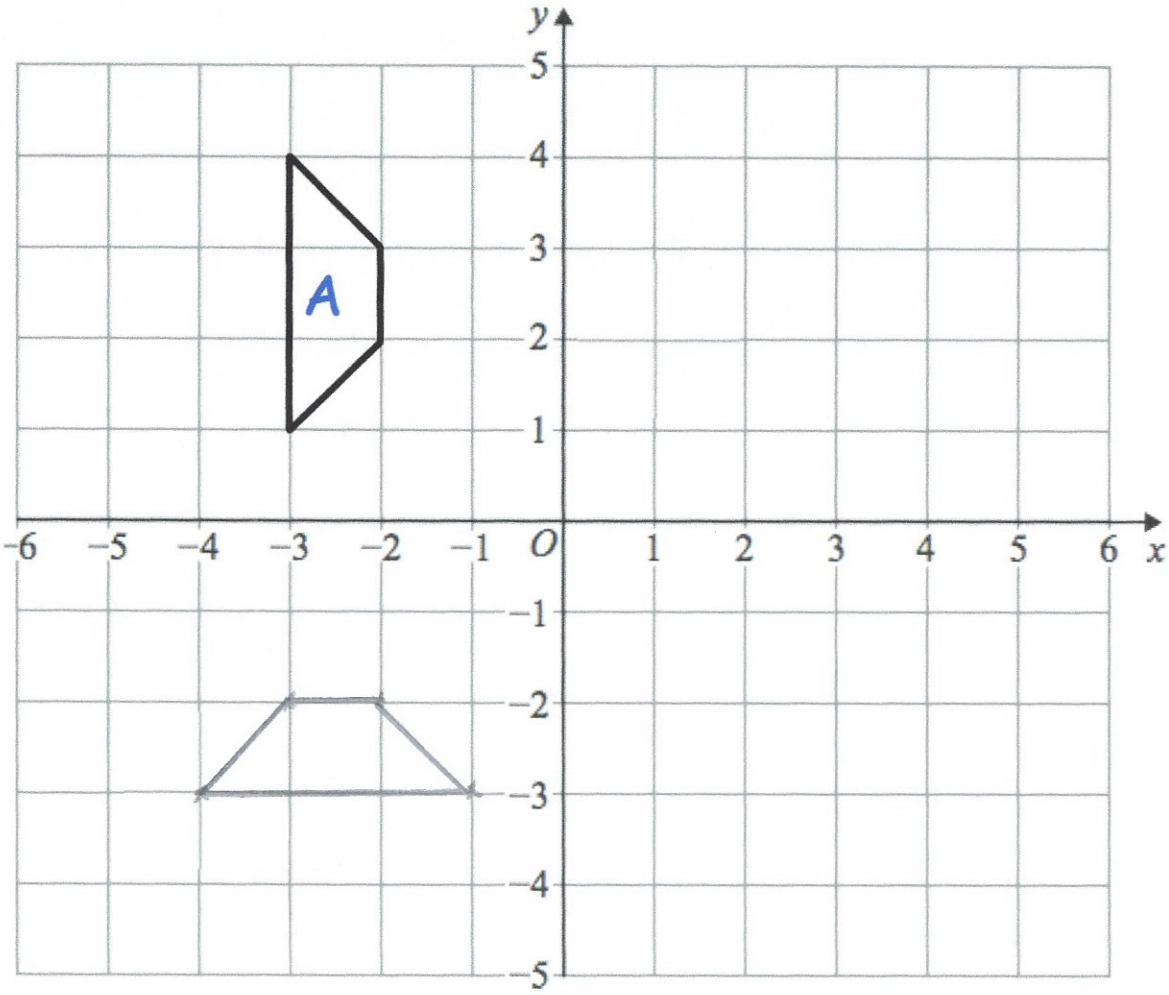
3.



Rotate triangle ABC 90° clockwise about centre (0, 0)

(3)

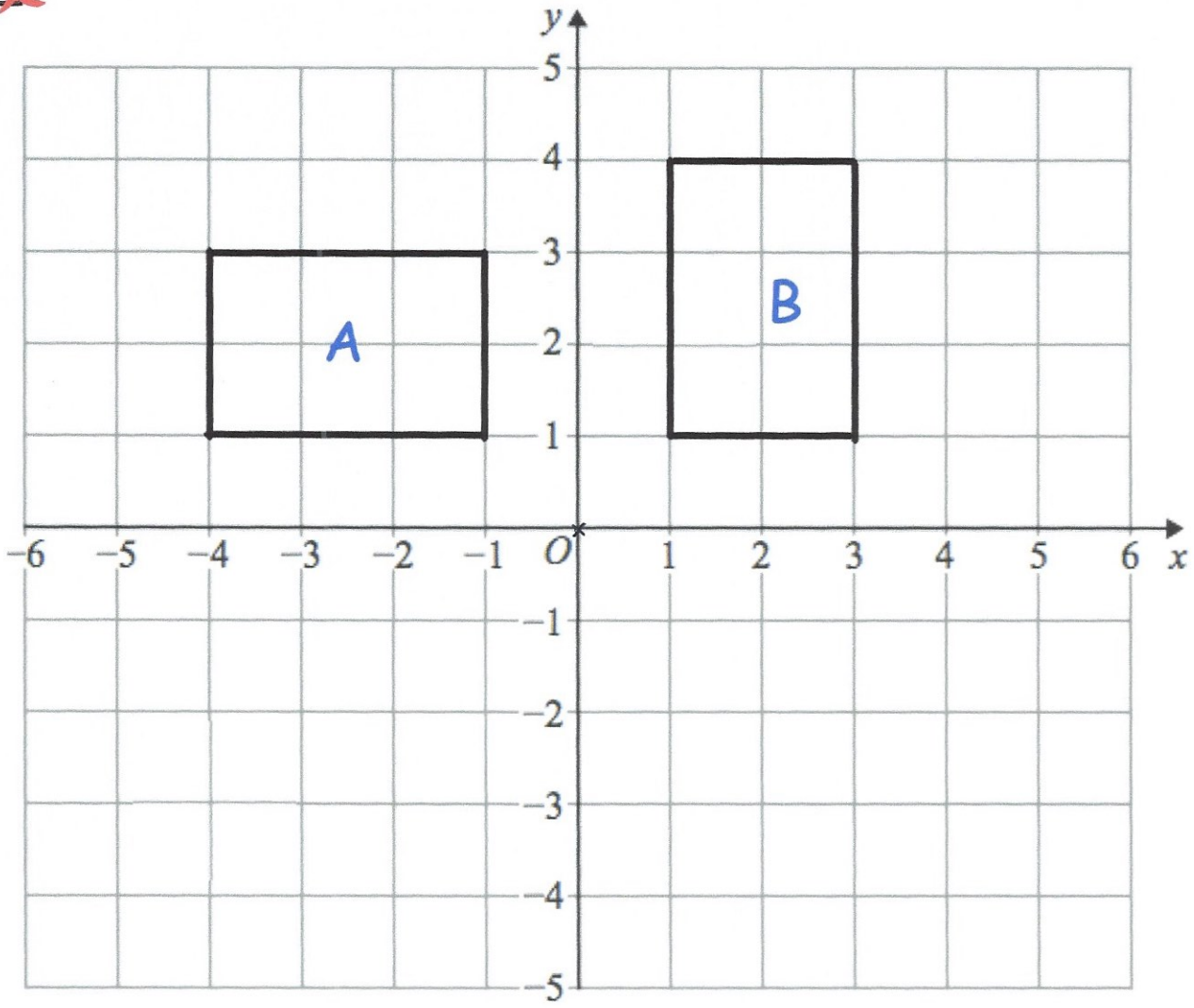
4.



Rotate trapezium A 90° anticlockwise about the origin.

(3)

5.



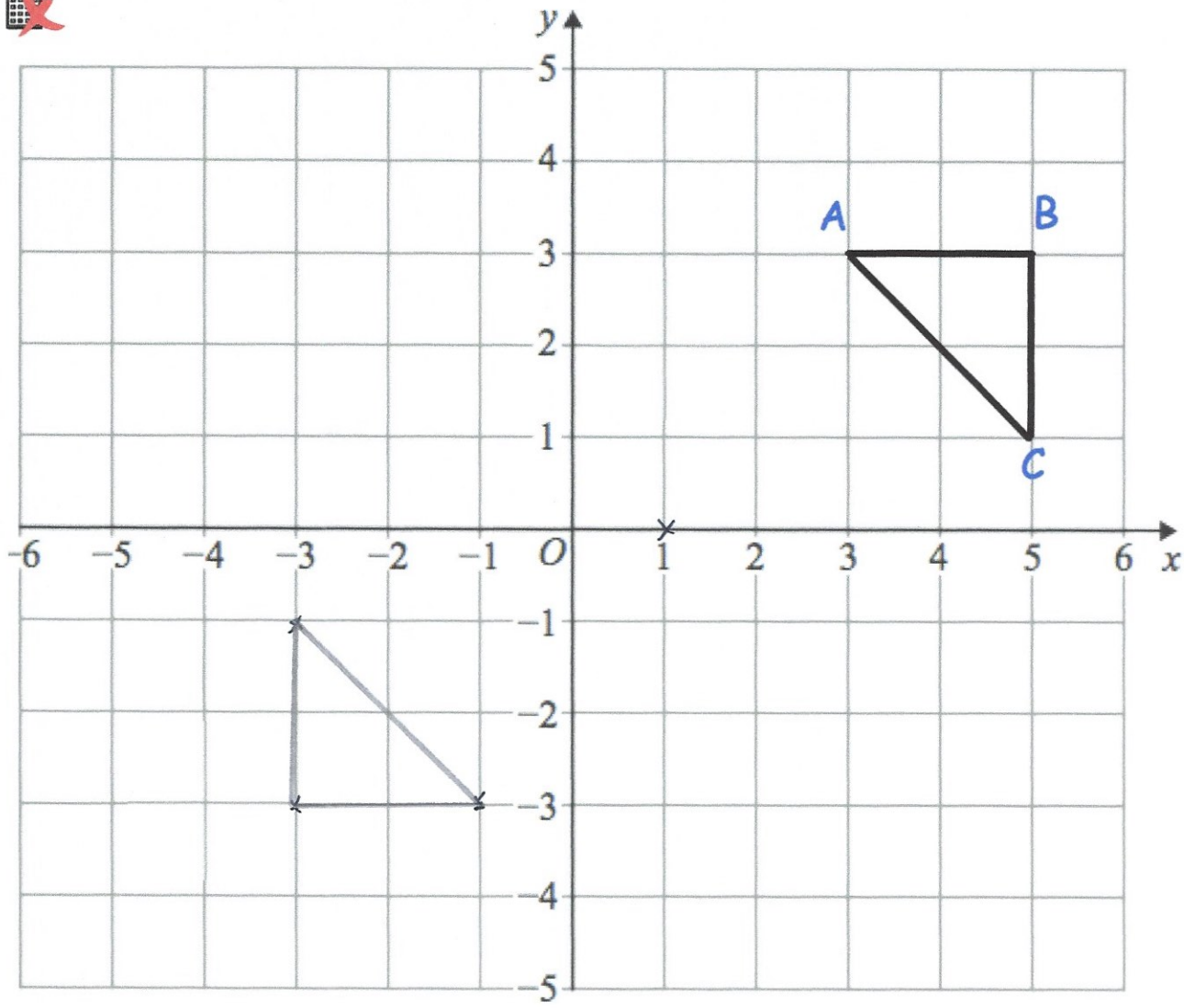
Dylan has been asked to rotate rectangle A 90° anticlockwise about the origin.
He has labelled his answer, B.

Explain his mistake

Dylan has rotated clockwise. instead of anticlockwise

(1)

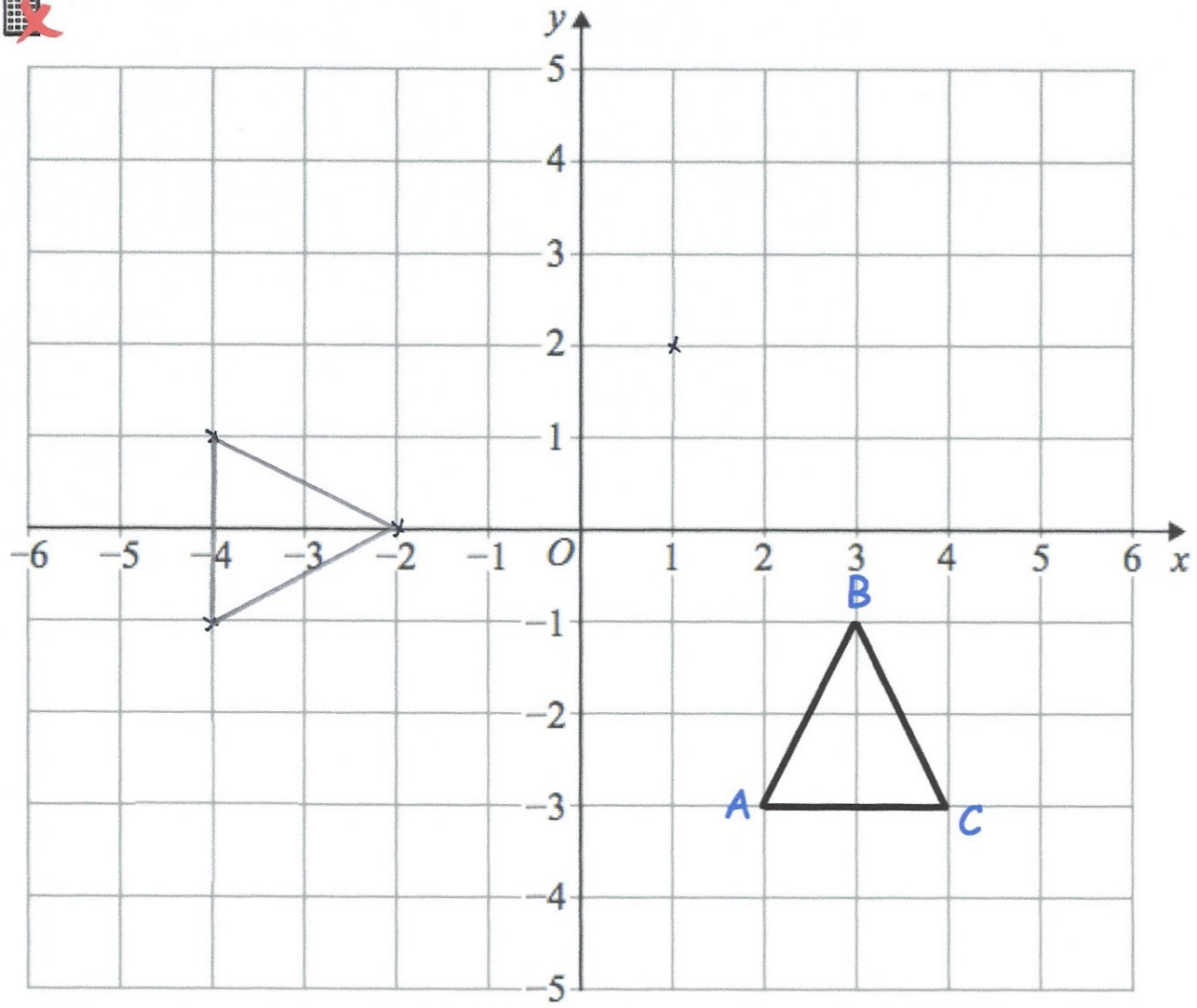
6.



Rotate triangle ABC 180° about centre (1, 0)

(3)

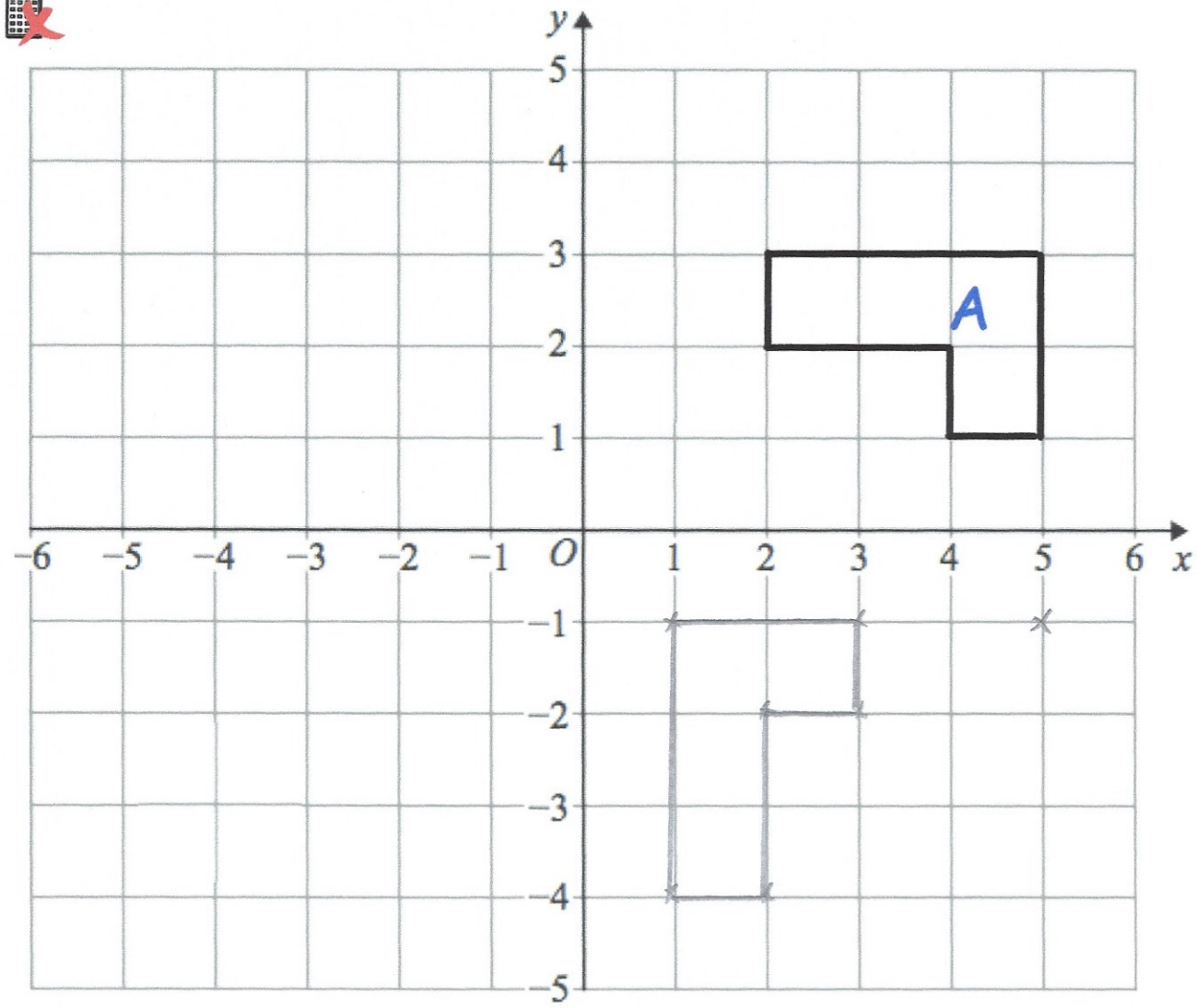
7.



Rotate triangle ABC 90° clockwise about centre (1, 2)

(3)

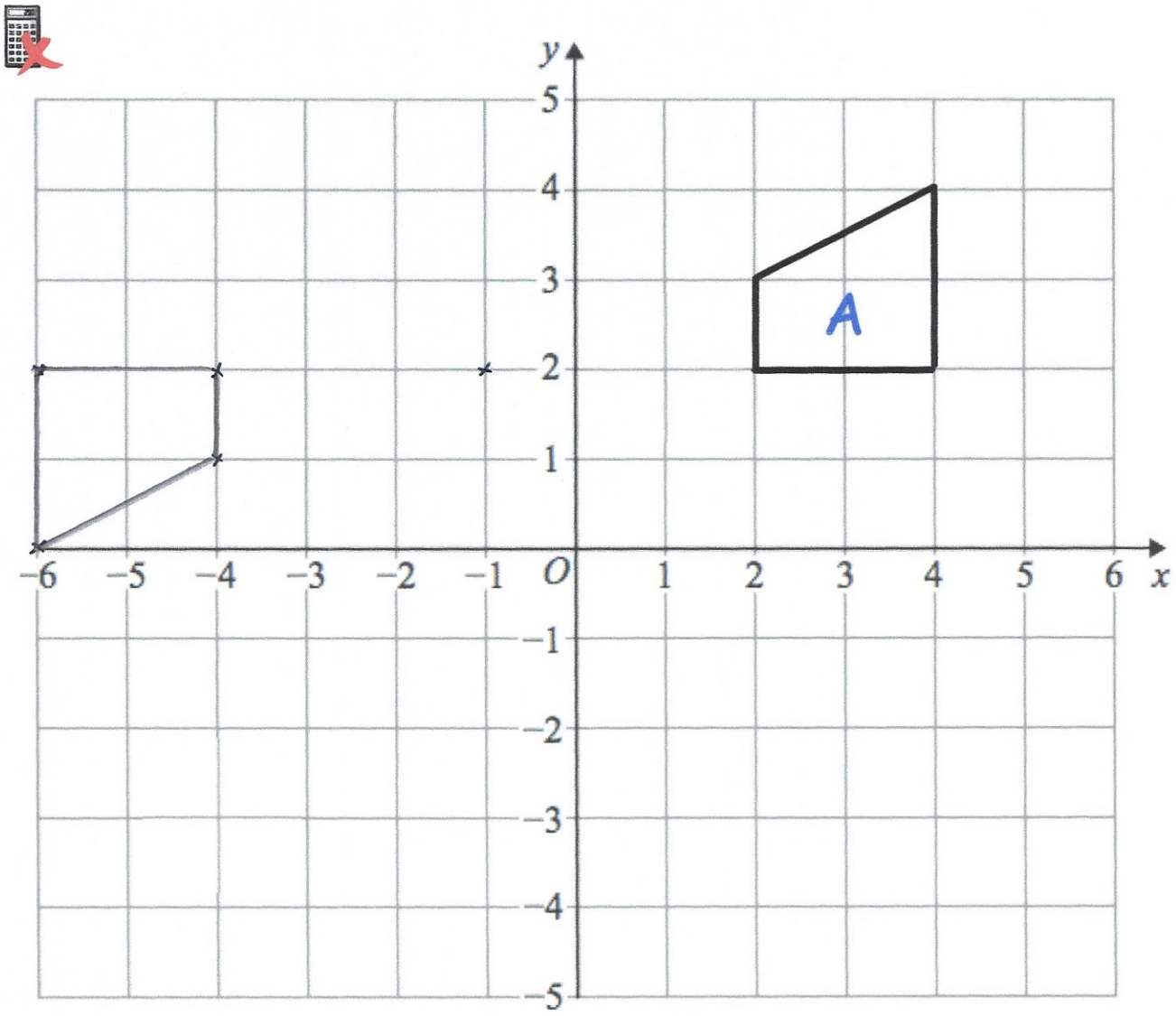
8.



Rotate shape A 90° anticlockwise about centre (5, −1)

(3)

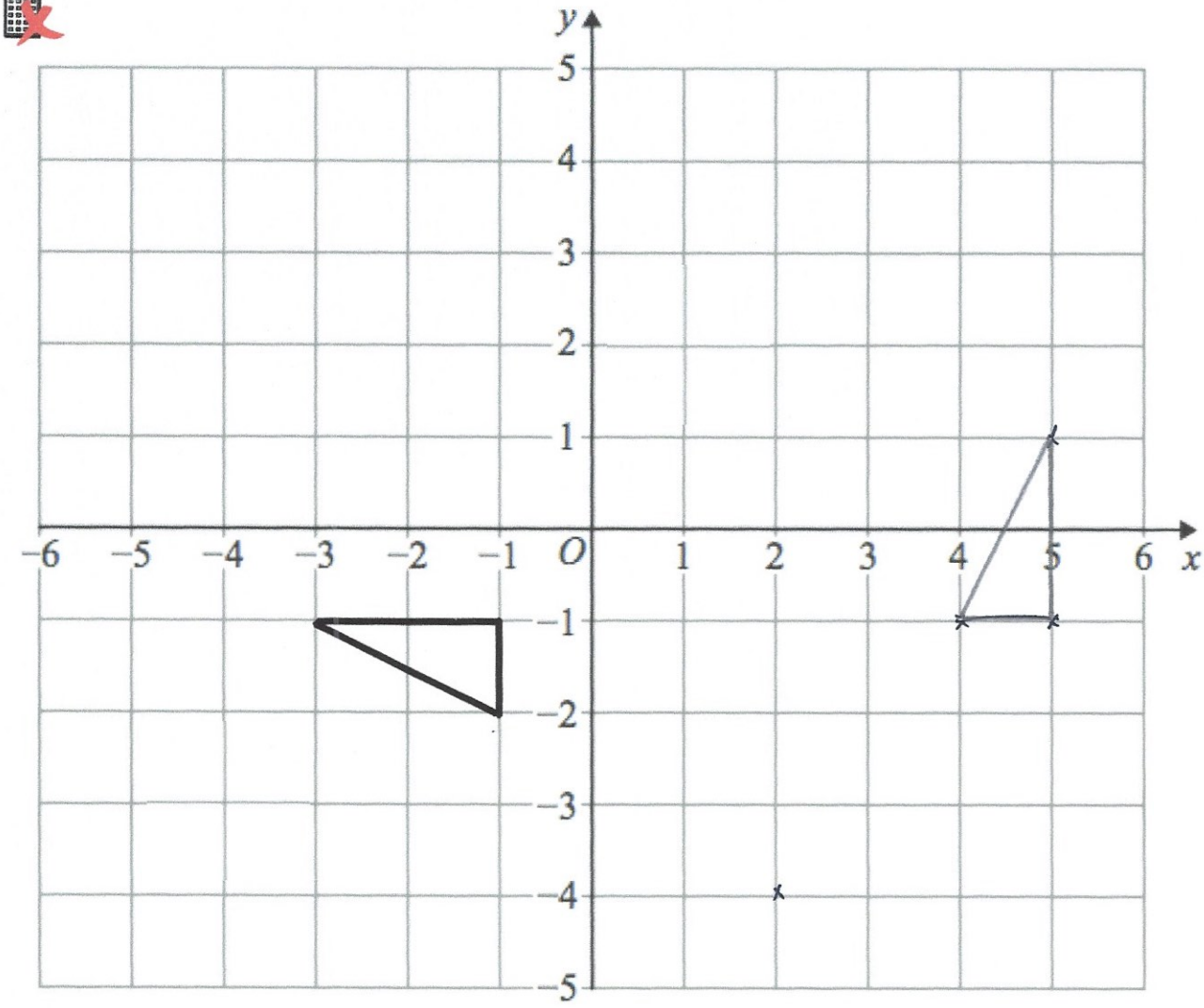
9.



Rotate shape A 180° about centre (−1, 2)

(3)

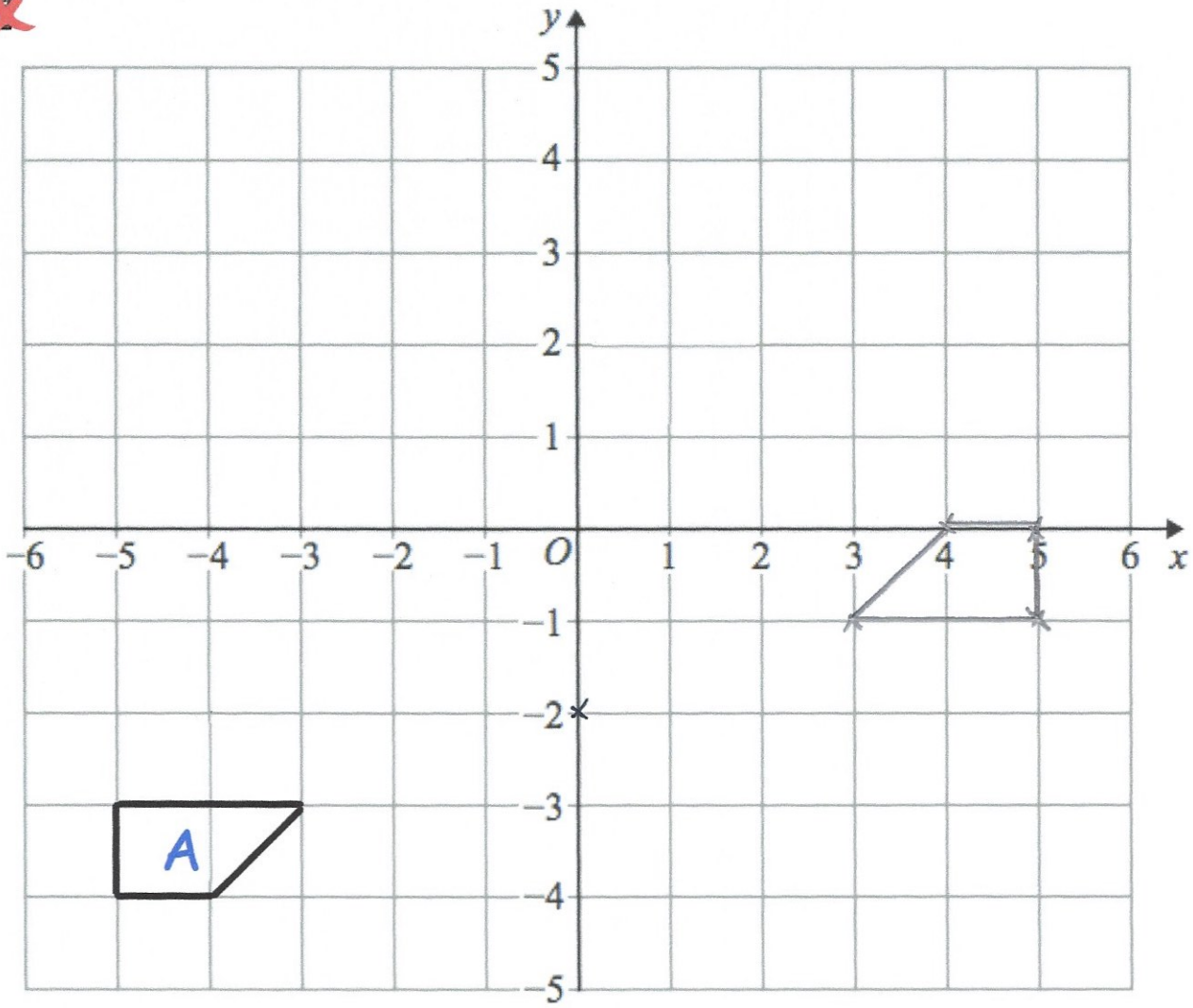
10.



Rotate the triangle 90° clockwise about the point (2, −4)

(3)

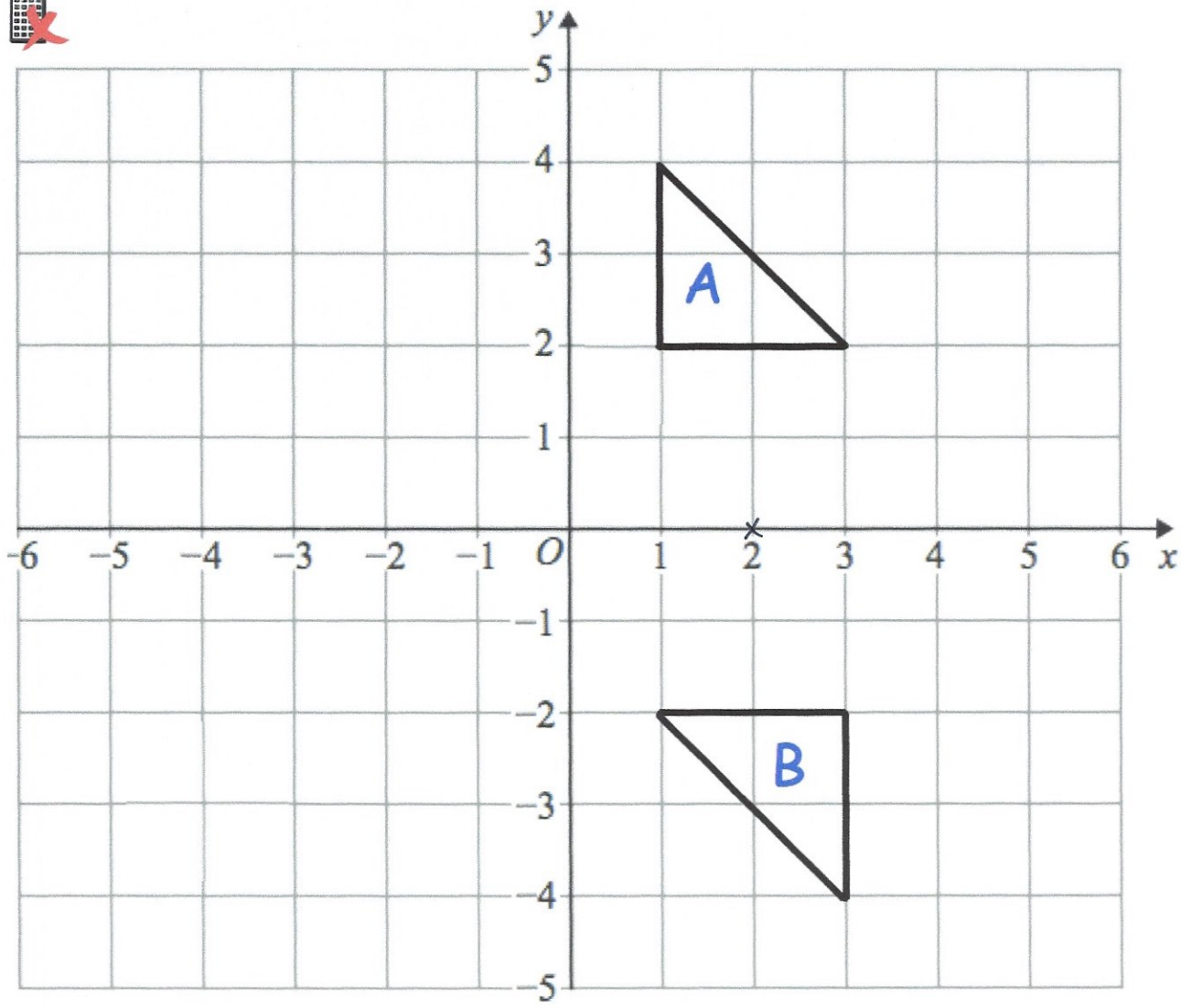
11.



Rotate the shape A 180° about the point (0, −2)

(3)

12.

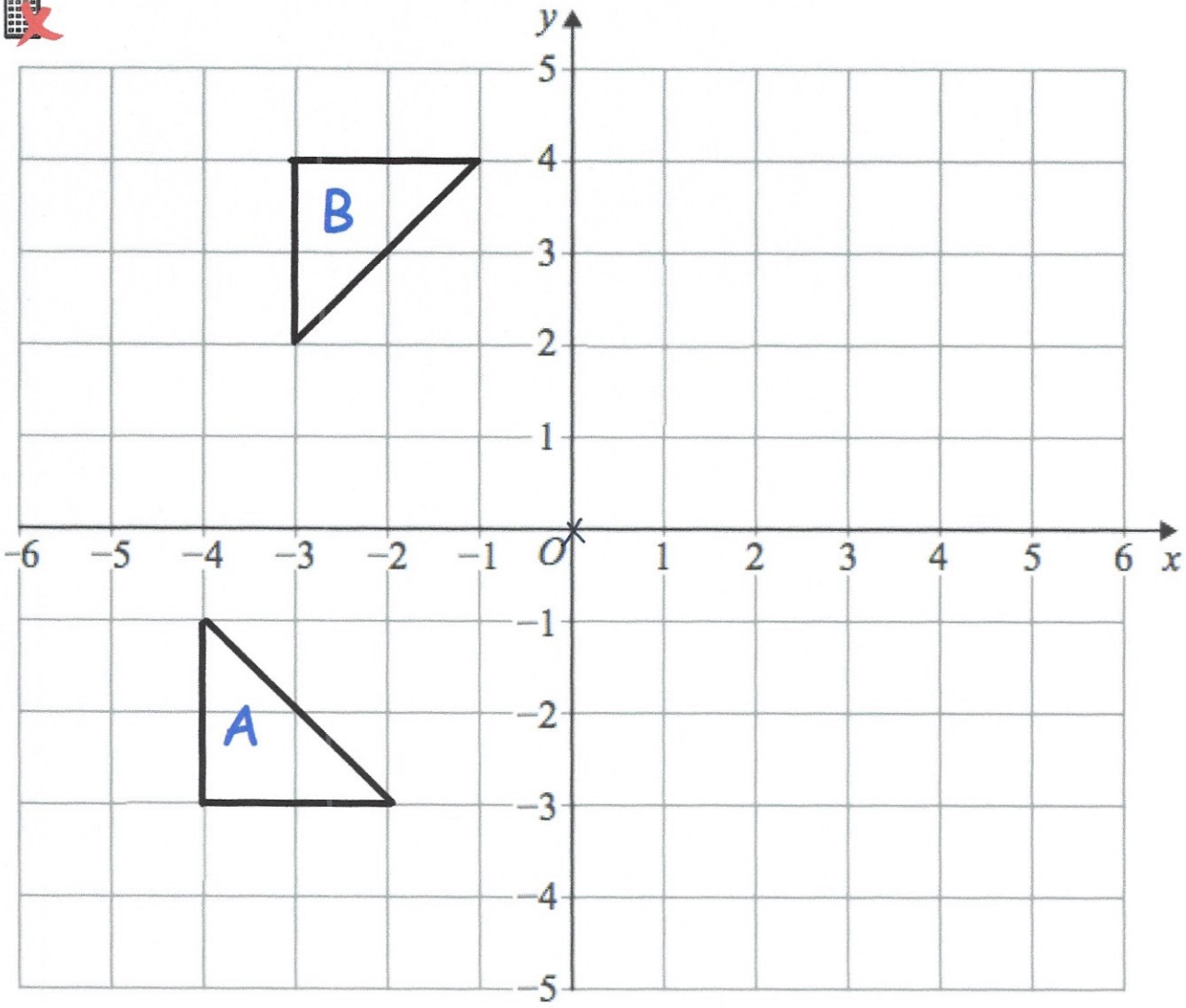


Describe fully the single transformation that maps triangle A onto triangle B.

Rotation of 180° using (2, 0) as the centre of rotation.

(2)

13.

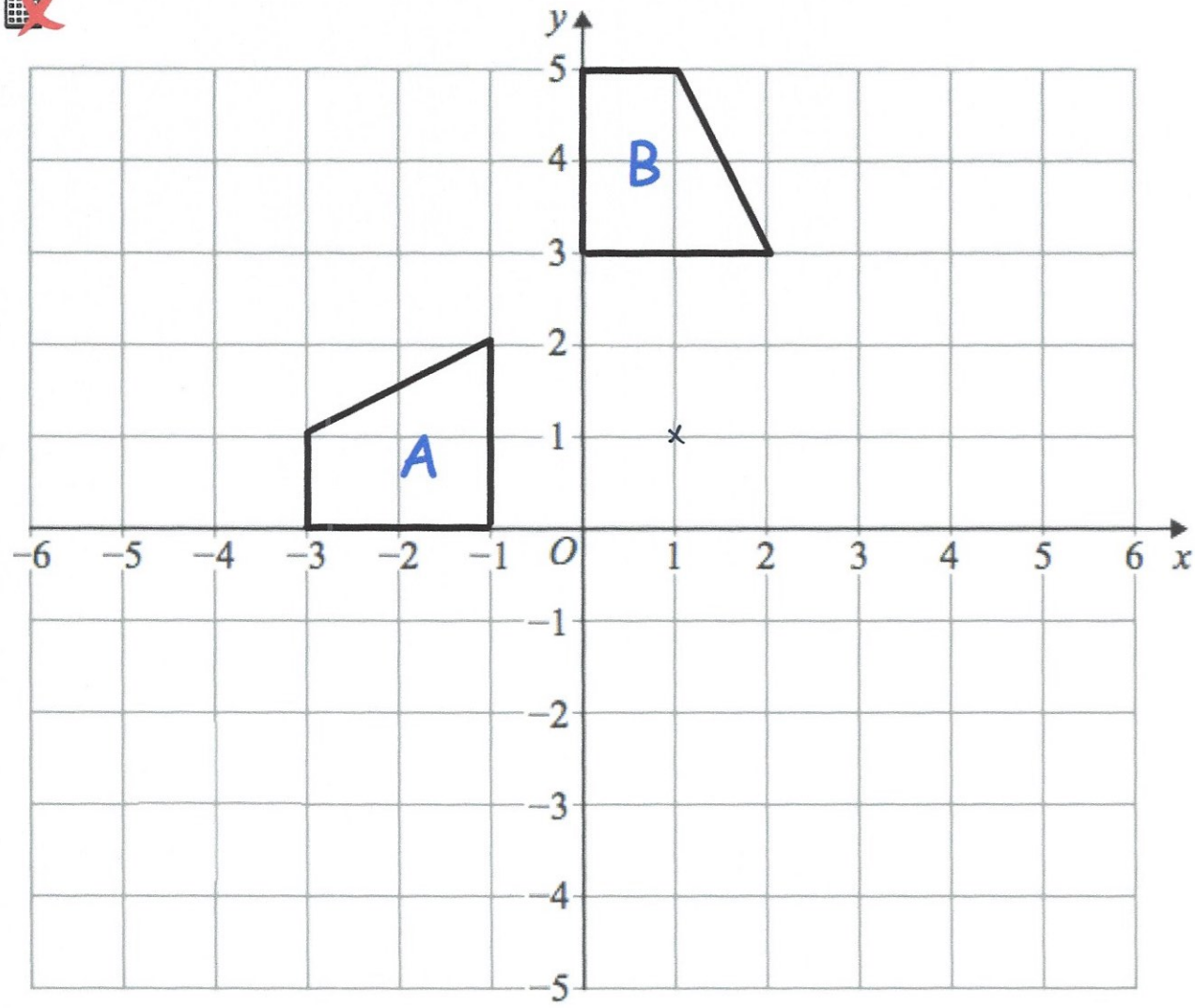


Describe fully the single transformation that maps triangle A onto triangle B.

Rotation of 90° clockwise about (0,0) / the origin as the centre of rotation.

(2)

14.

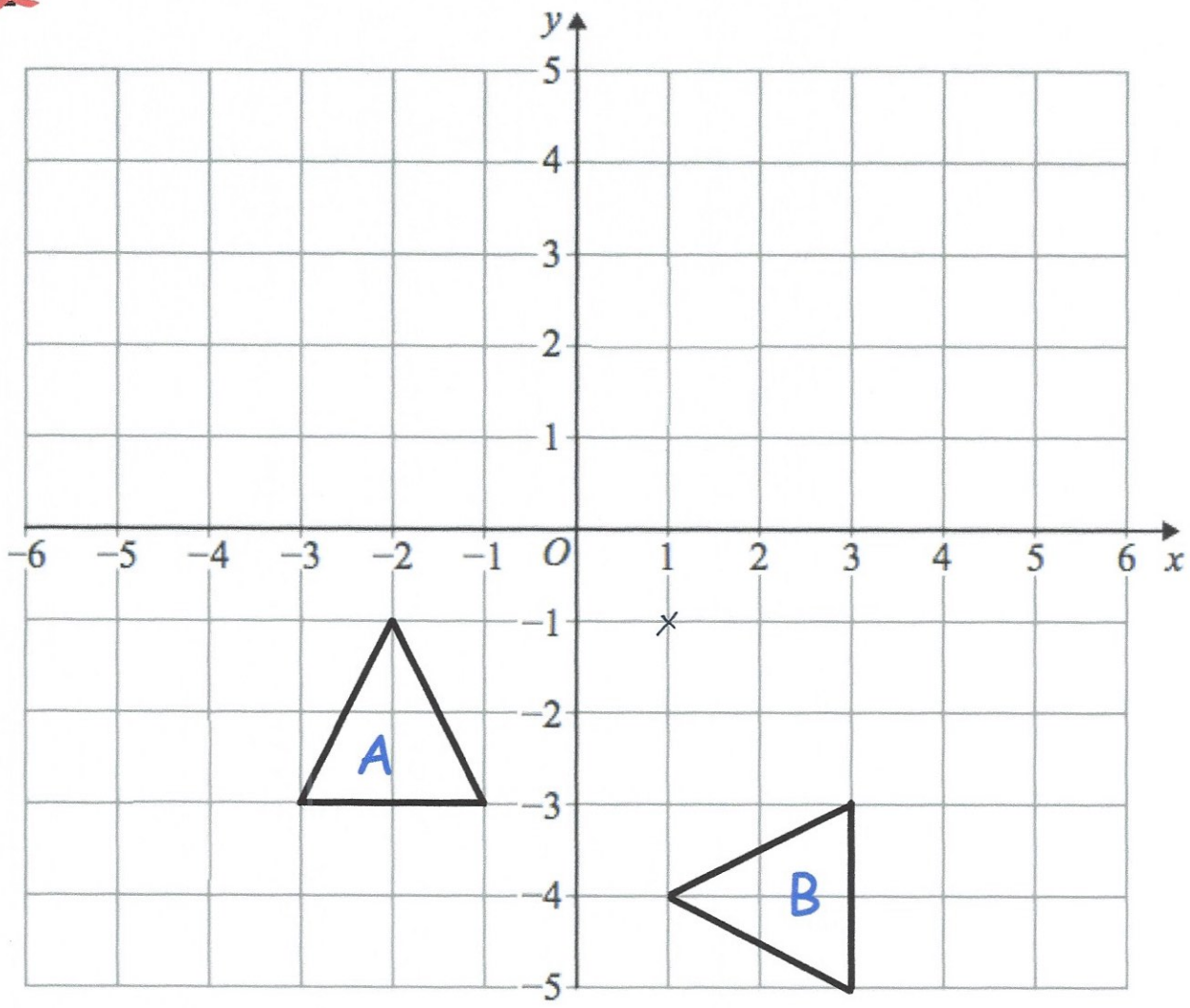


Describe fully the single transformation that maps shape A onto shape B.

Rotation 90° clockwise about (1, 1) as the centre of rotation.

(2)

15.



Sean has been asked to rotate triangle A 90° anticlockwise about (–1, 1)
He has labelled his answer, B.

Explain his mistake

Sean has rotated about the point (1, -1) and not (-1, 1)

(1)