

Name:

Exam Style Questions

Rotations



Equipment needed: Pencil, tracing paper, 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

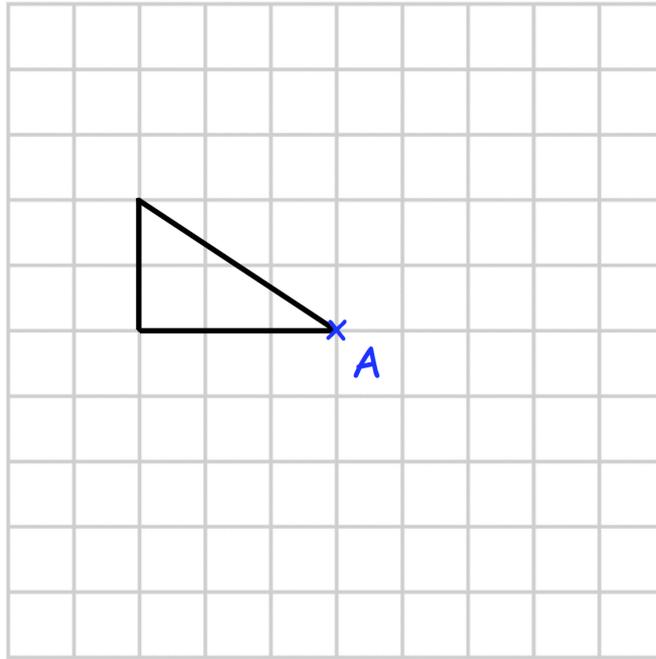
Video 275



Answers and Video Solutions

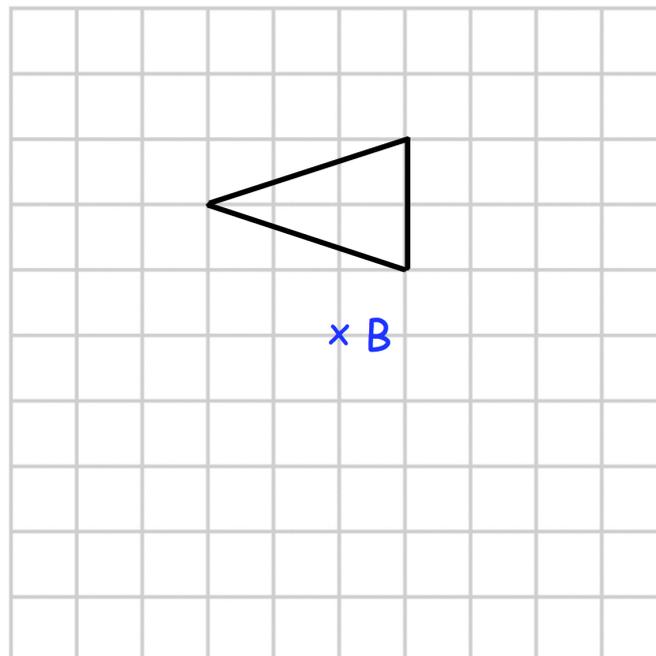


1. Rotate the triangle 90° clockwise about the point A



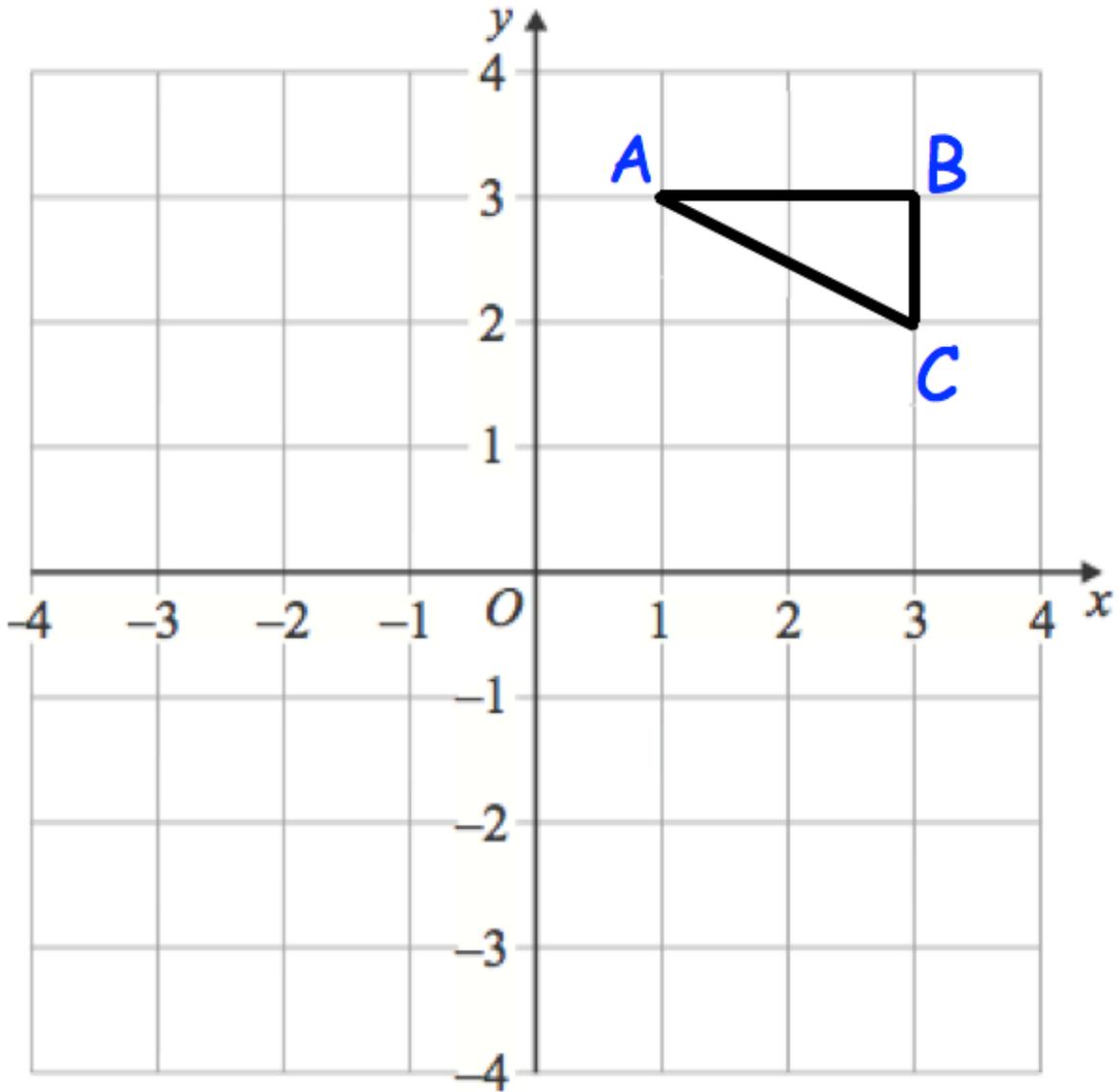
(2)

2. Rotate the triangle 180° about the point B



(2)

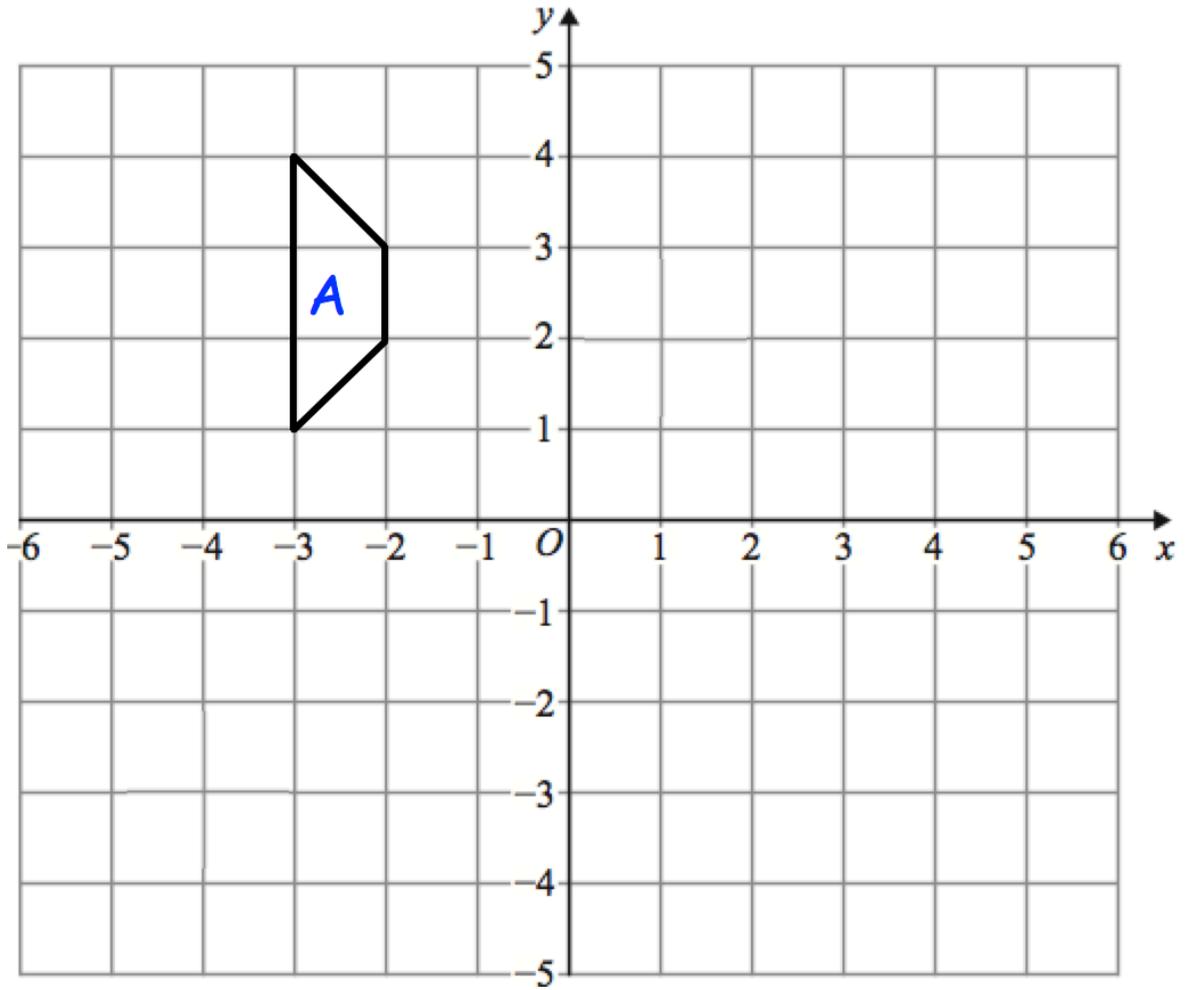
3.



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

(3)

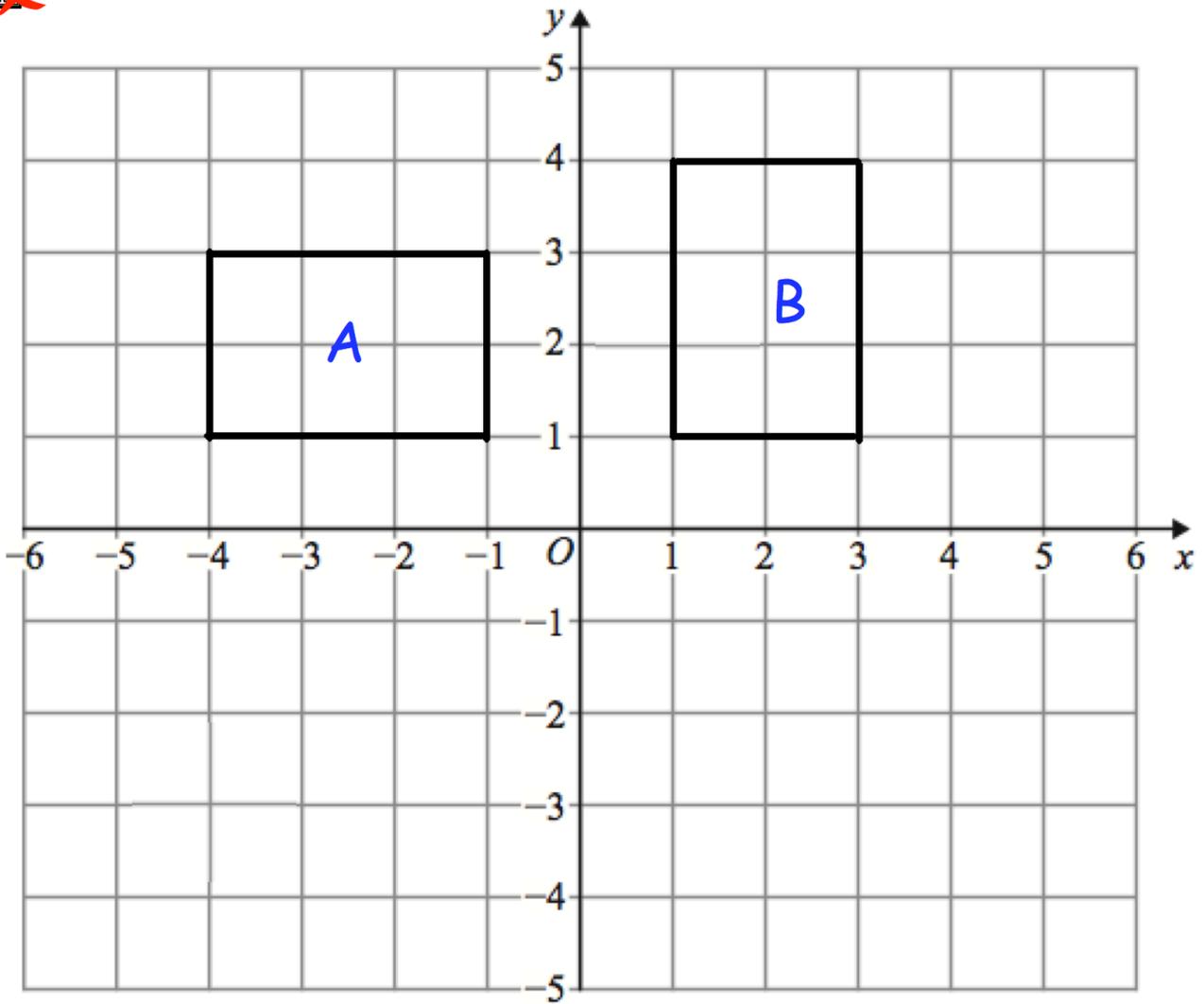
4.



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

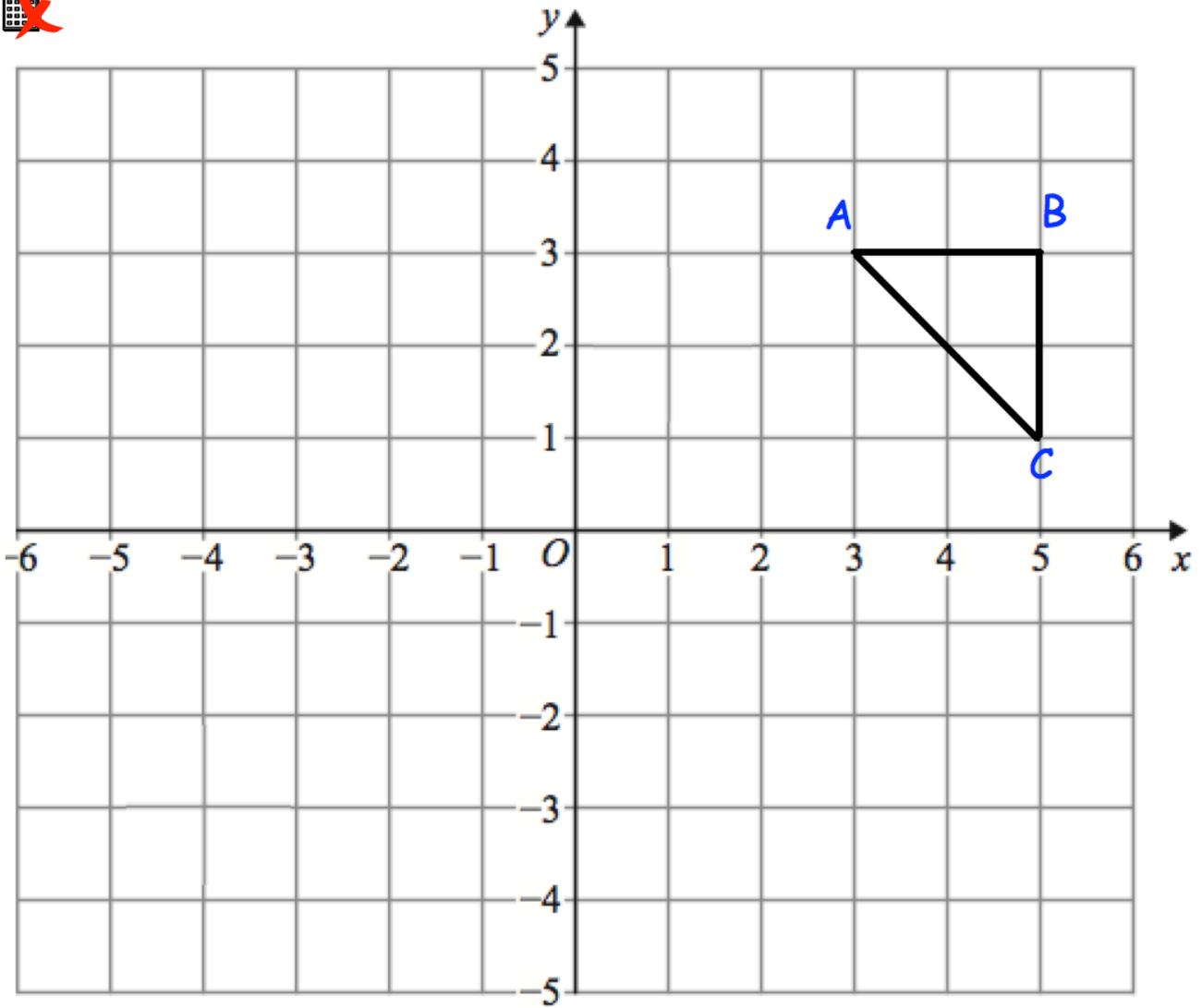
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(1)

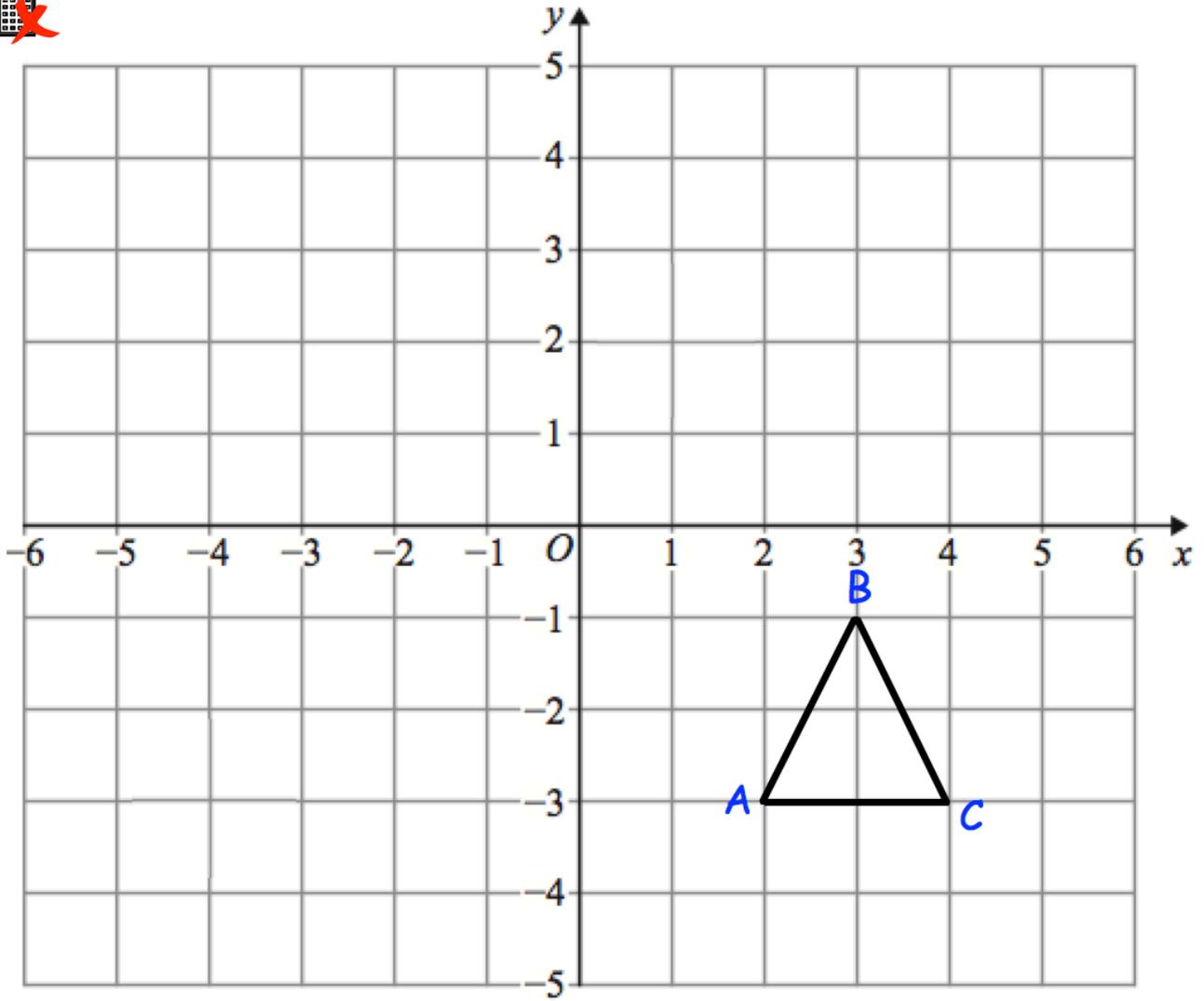
6.



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

(3)

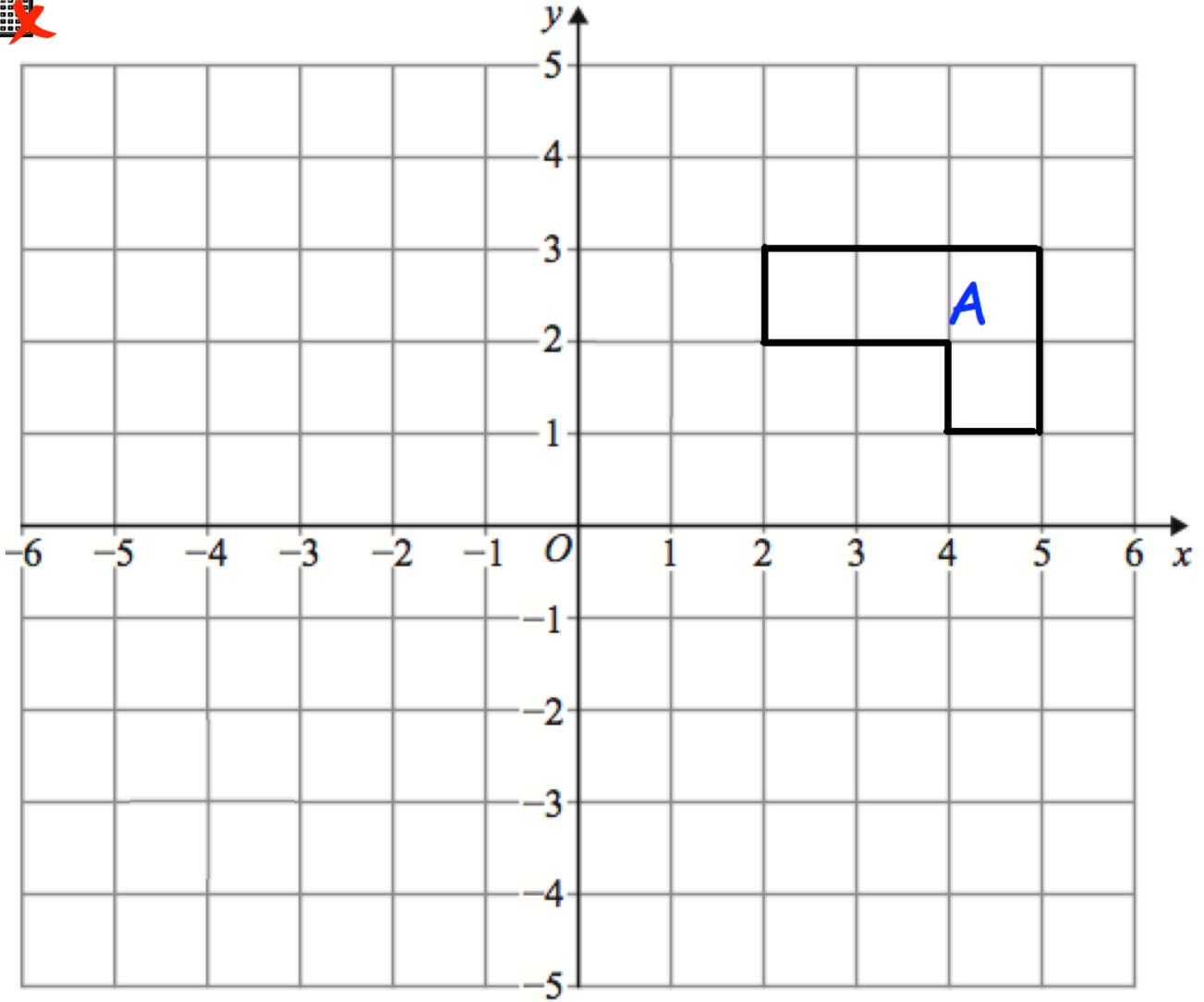
7.



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

(3)

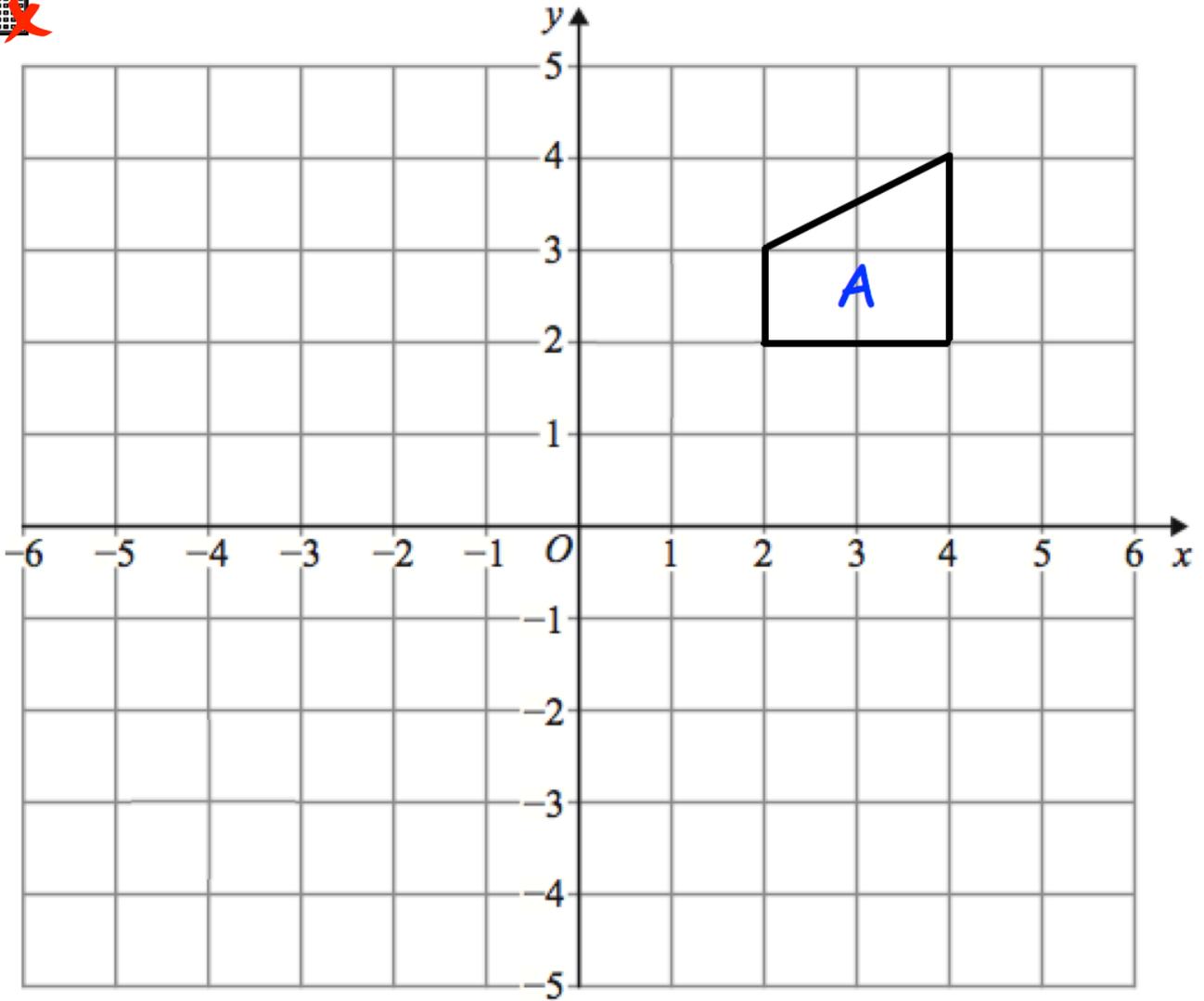
8.



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

(3)

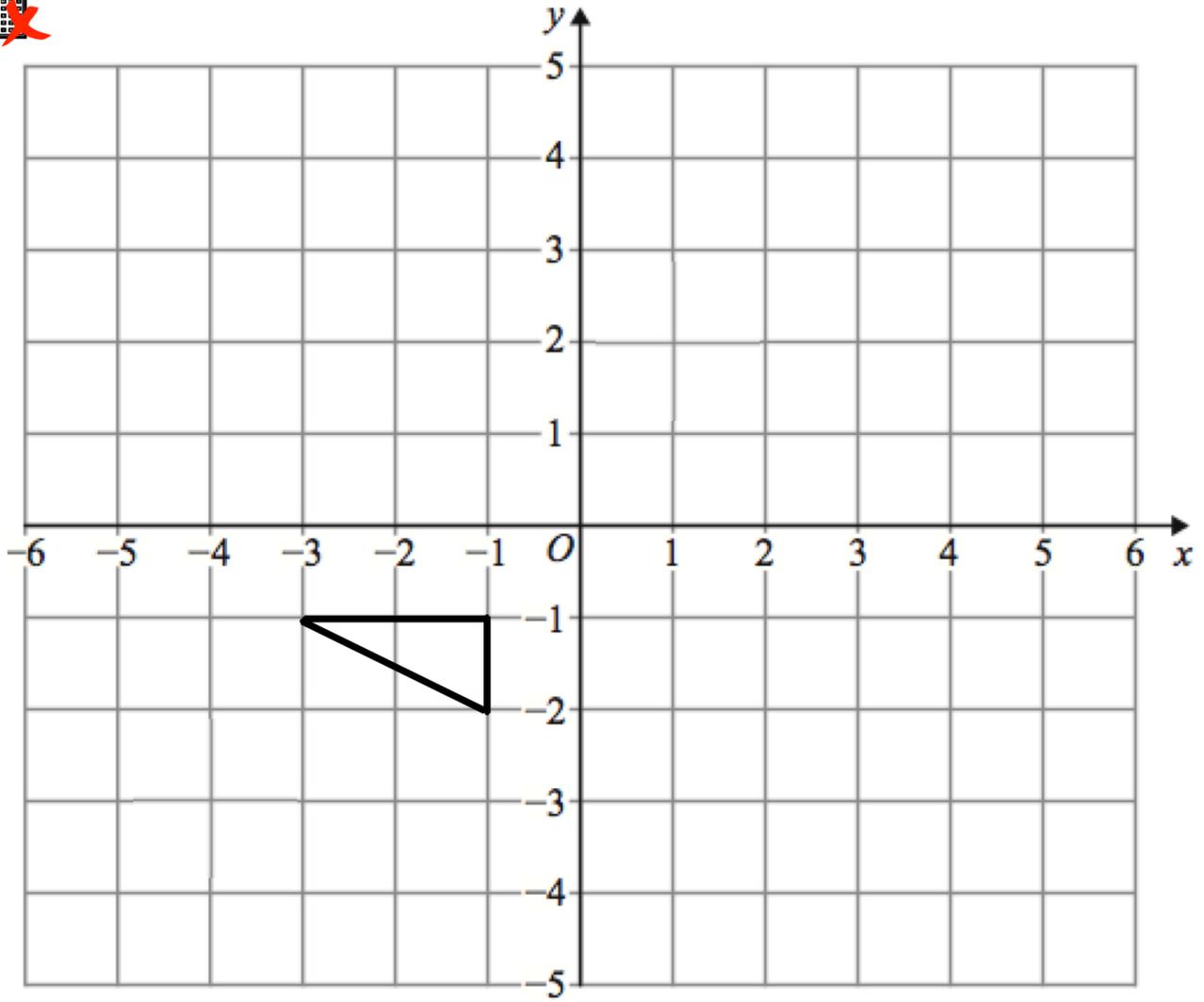
9.



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

(3)

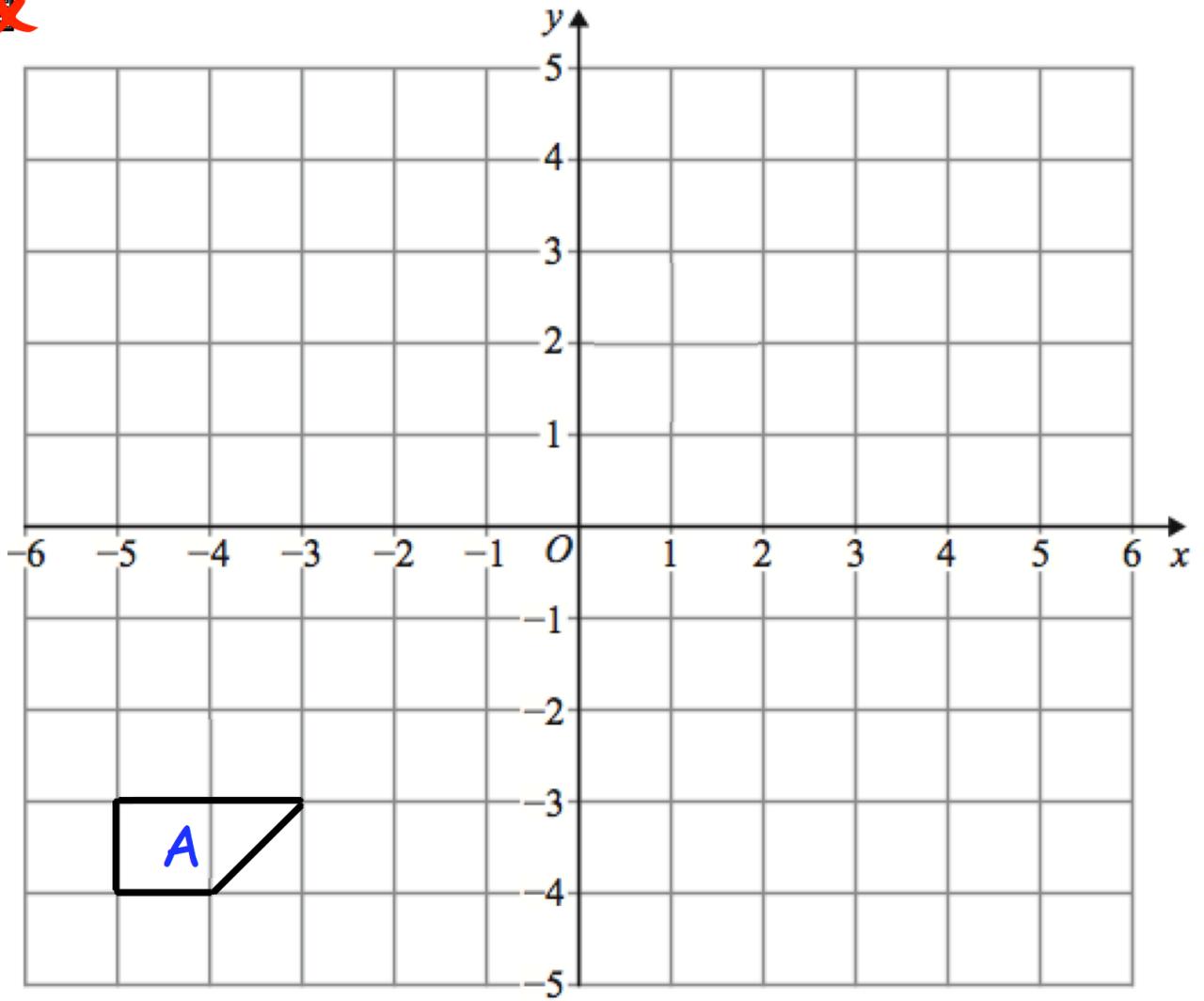
10.



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

(3)

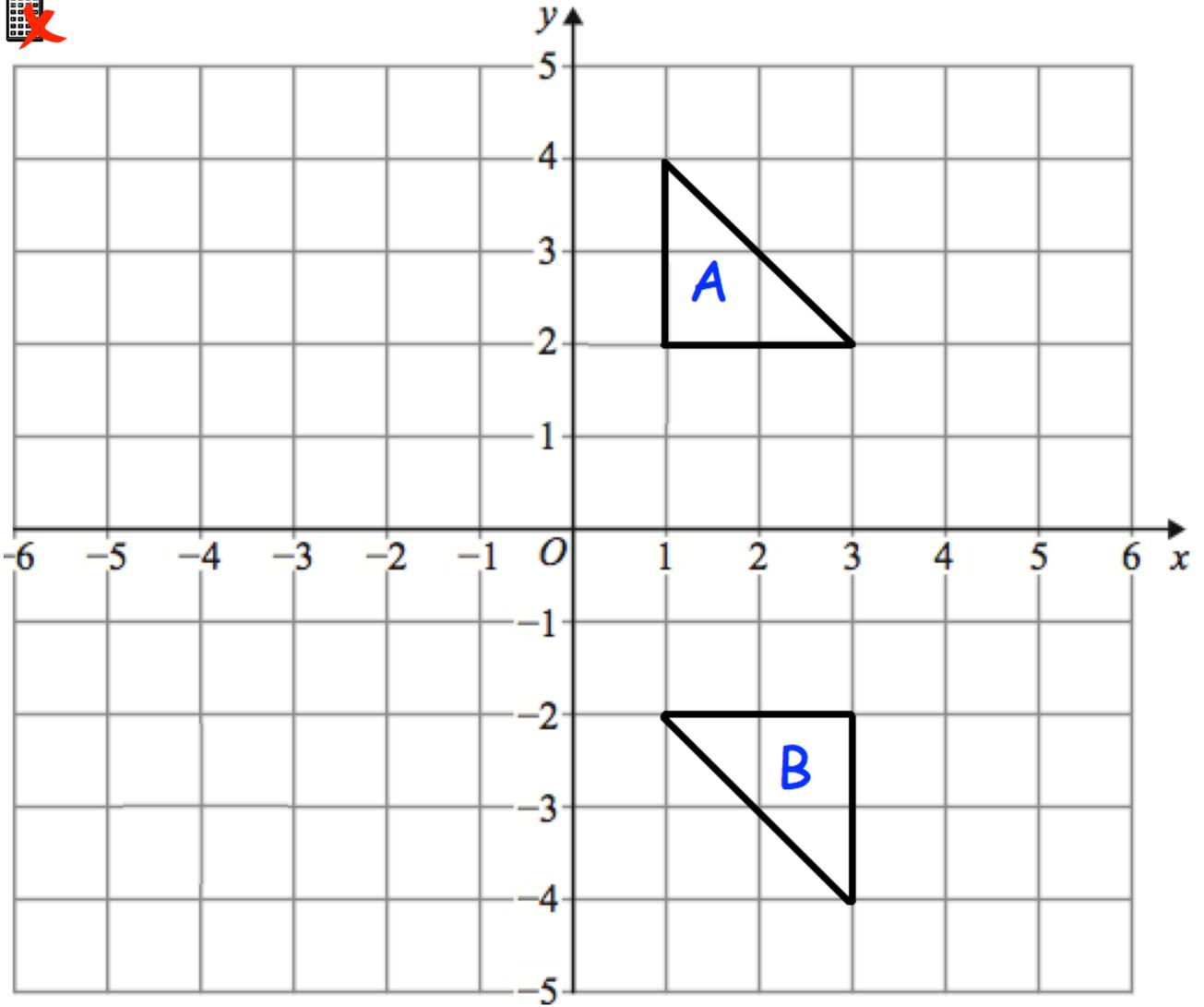
11.



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

(3)

12.



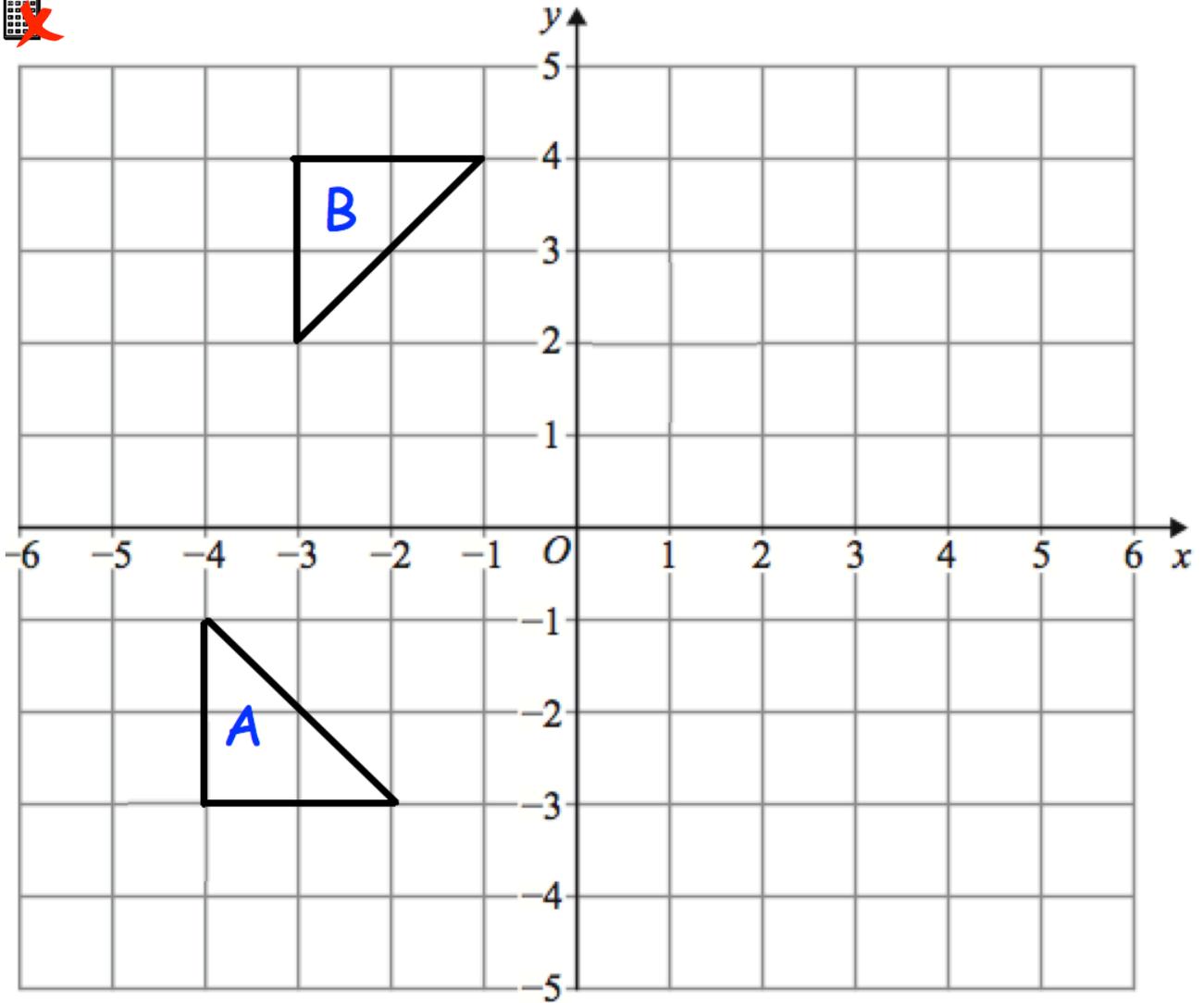
Describe fully the single transformation that maps triangle A onto triangle B.

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(2)

13.



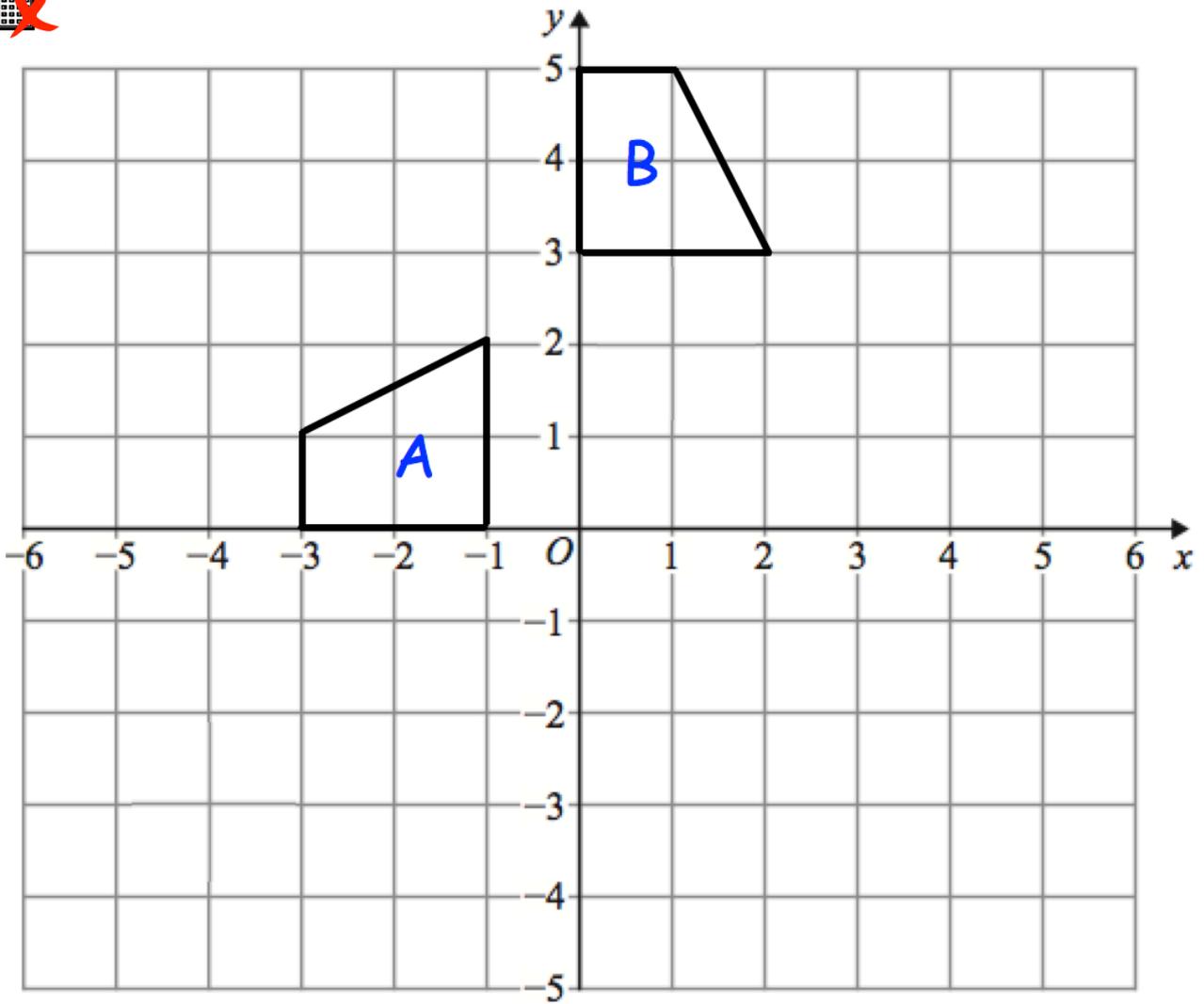
Describe fully the single transformation that maps triangle A onto triangle B.

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(2)

14.



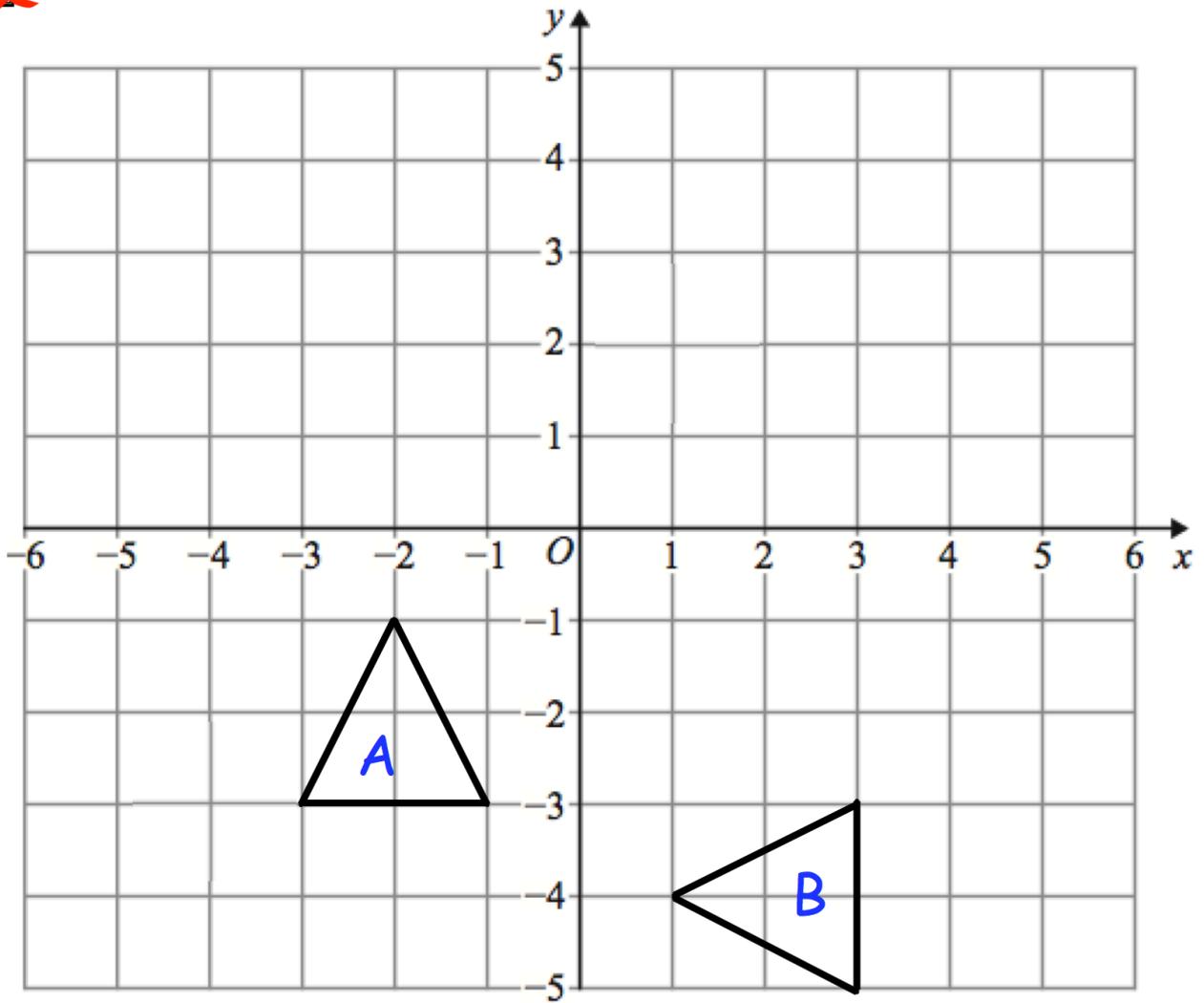
Describe fully the single transformation that maps shape A onto shape B.

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(2)

15.



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

Explain his mistake

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(1)