

Name: \_\_\_\_\_

Exam Style Questions



# Rotations

Corbettmαths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

## Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

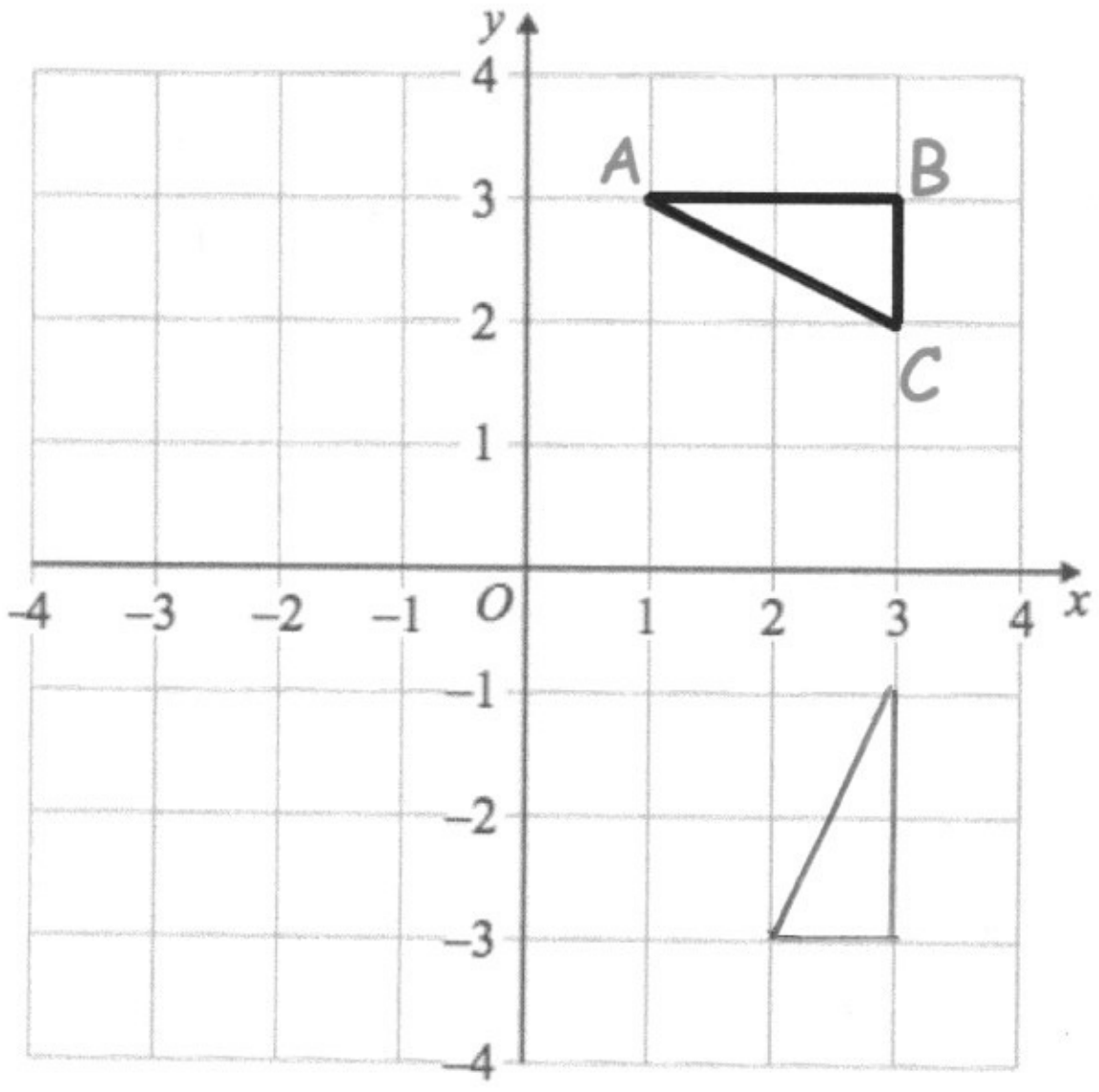
Revision for this topic

Secondary

Video 275



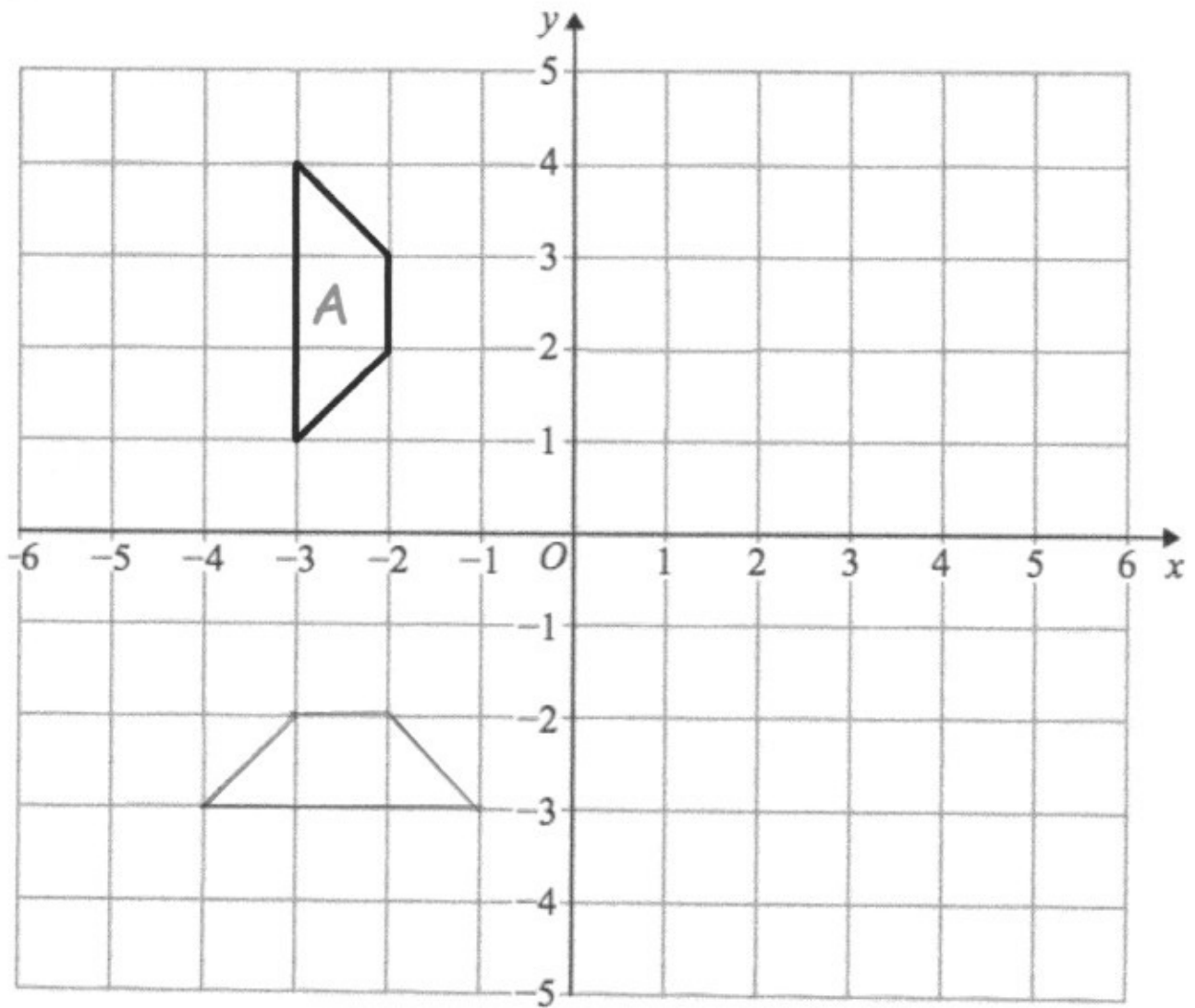
1.



Rotate triangle ABC  $90^\circ$  clockwise about centre (0, 0)

(3)

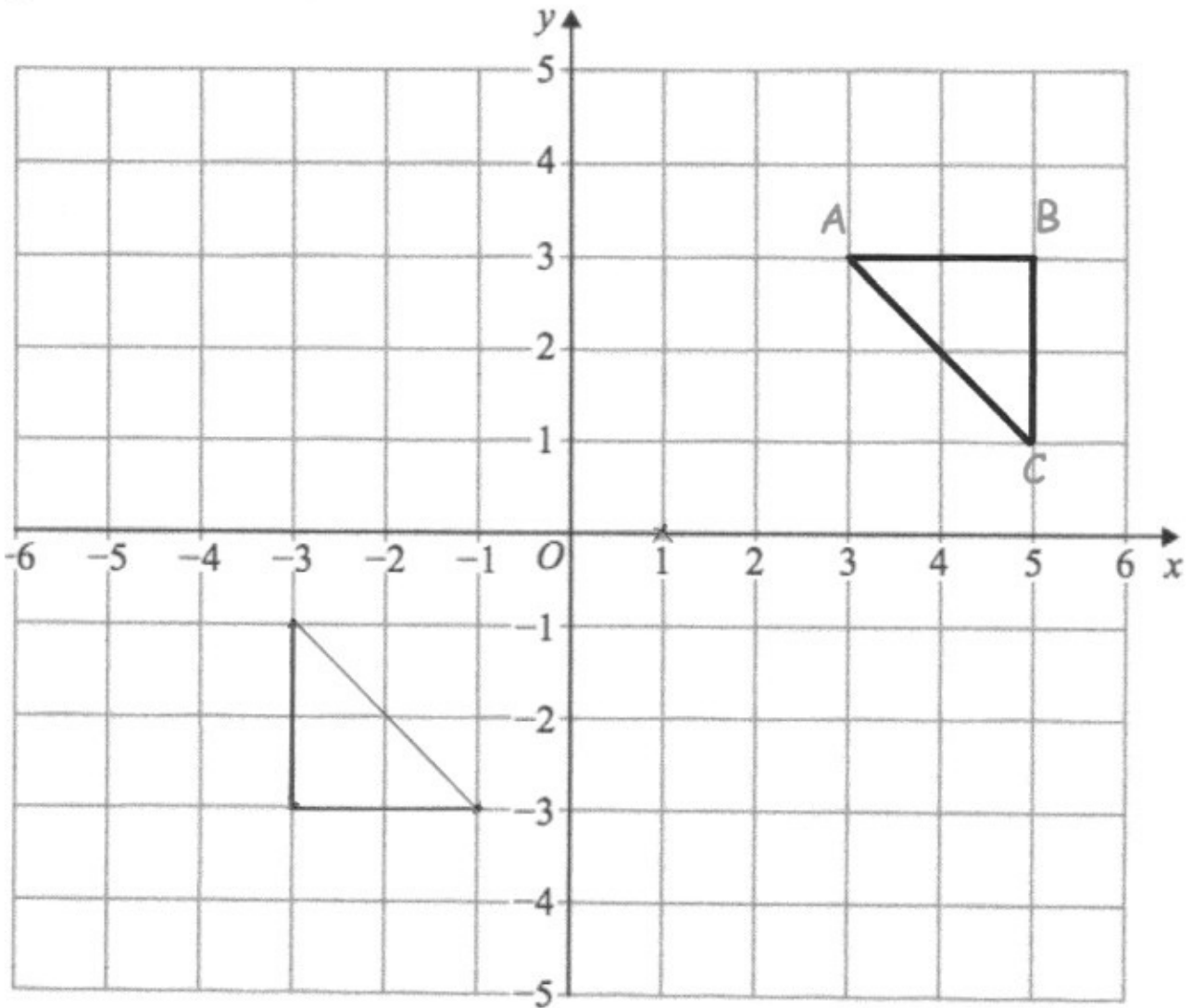
2.



Rotate trapezium A  $90^\circ$  anti-clockwise about the origin.

(3)

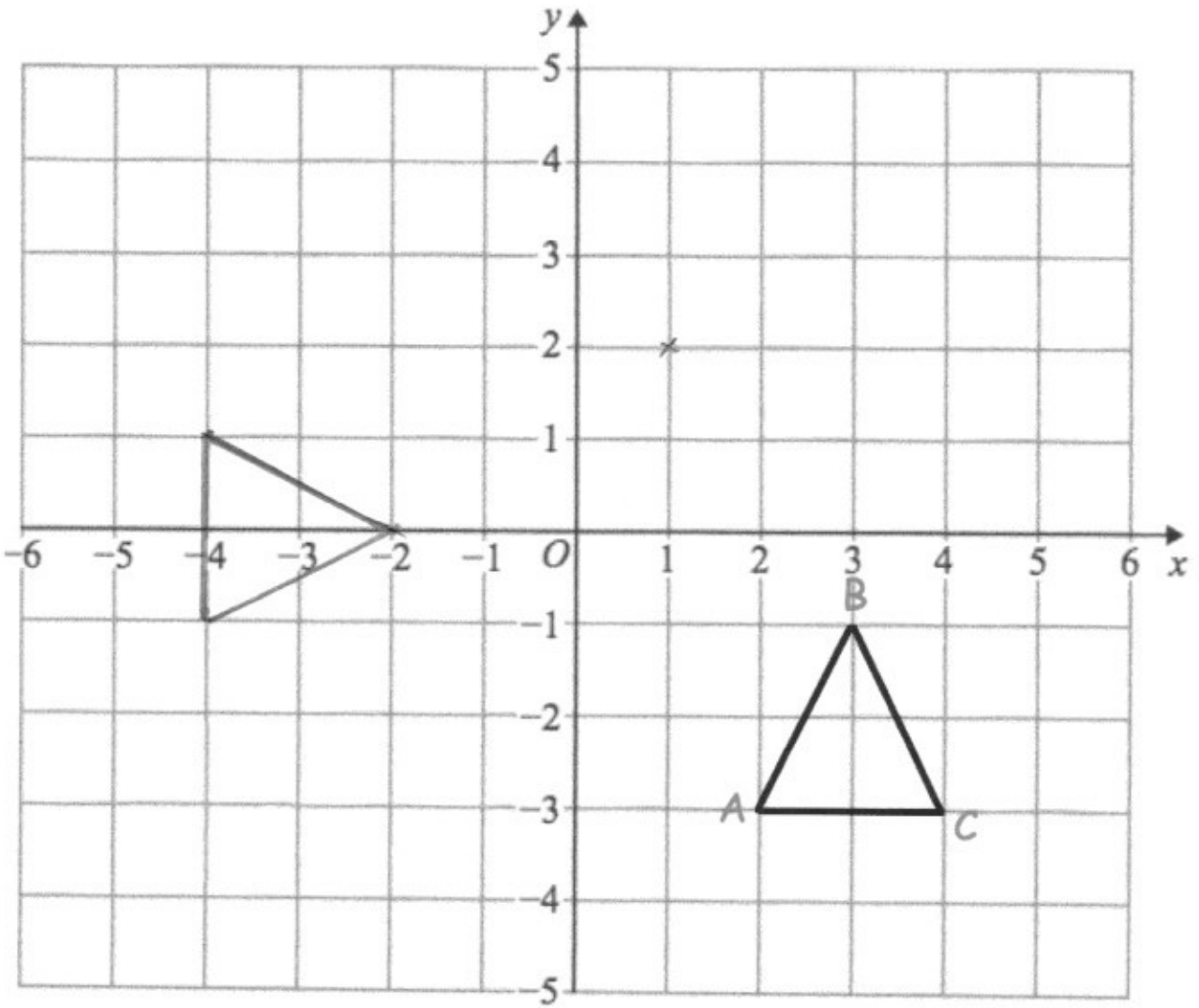
3.



Rotate triangle ABC  $180^\circ$  about centre (1, 0)

(3)

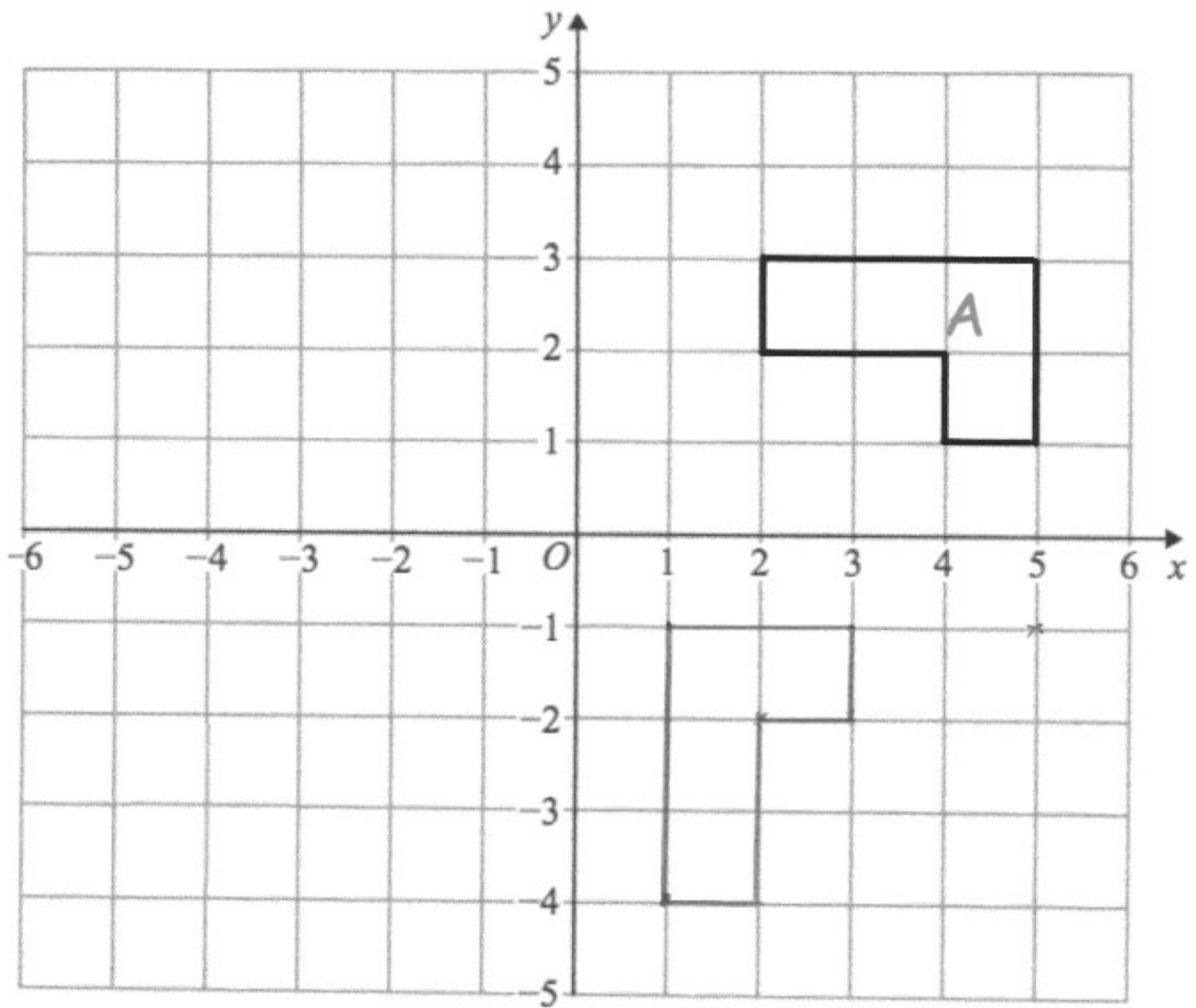
4.



Rotate triangle ABC  $90^\circ$  clockwise about centre (1, 2)

(3)

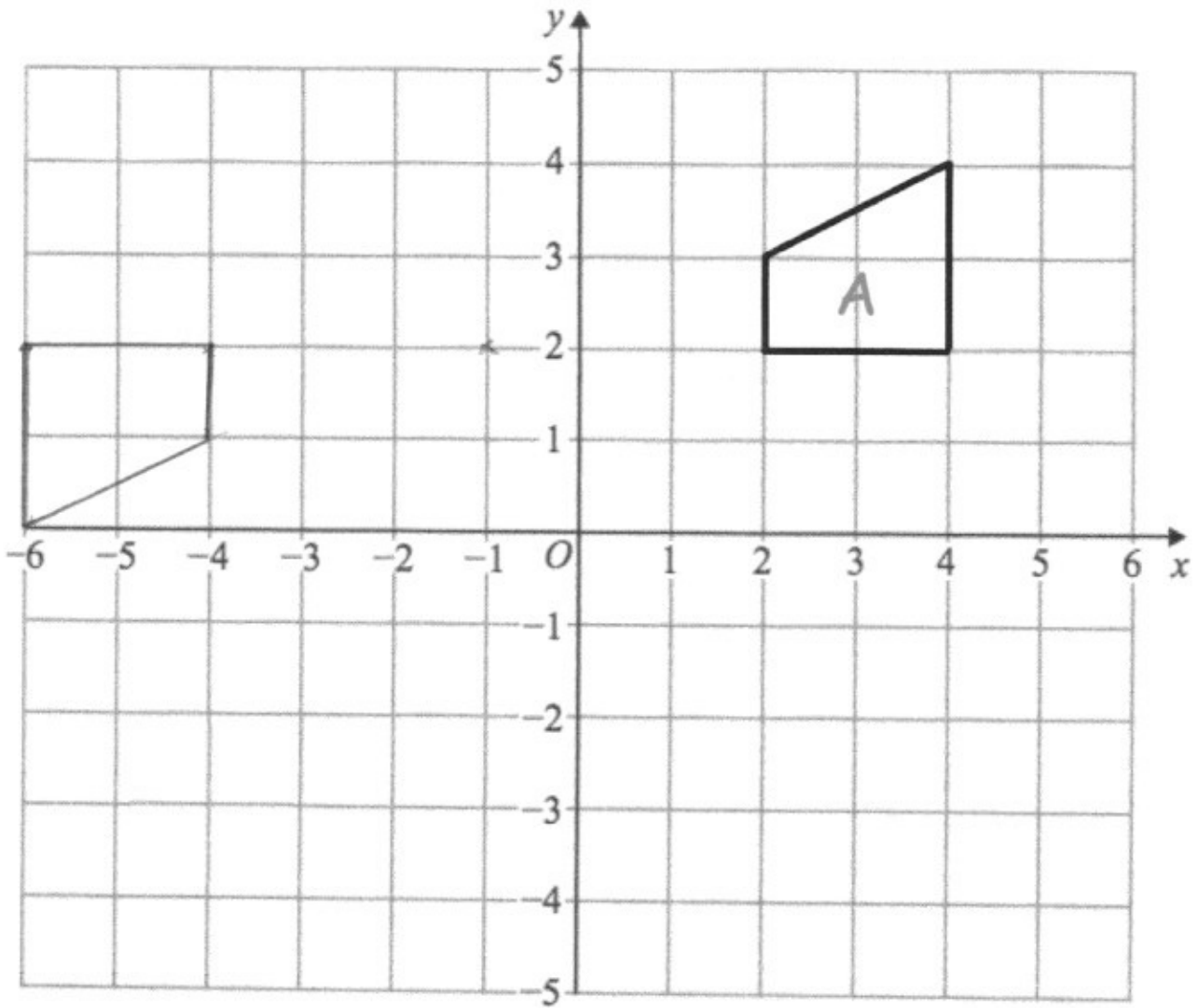
5.



Rotate shape A  $90^\circ$  anti-clockwise about centre (5, -1)

(3)

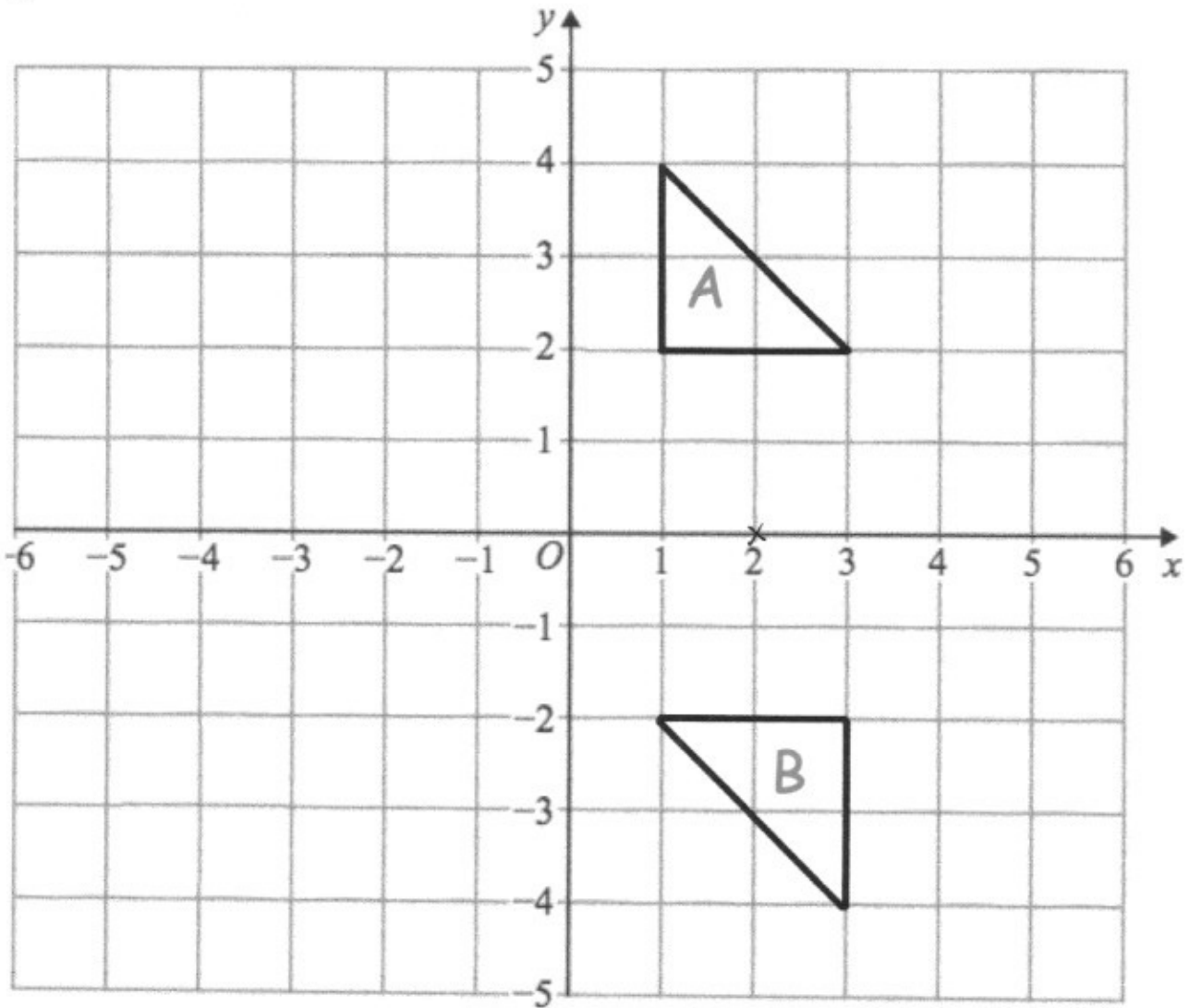
6.



Rotate shape A  $180^\circ$  about centre  $(-1, 2)$

(3)

7.



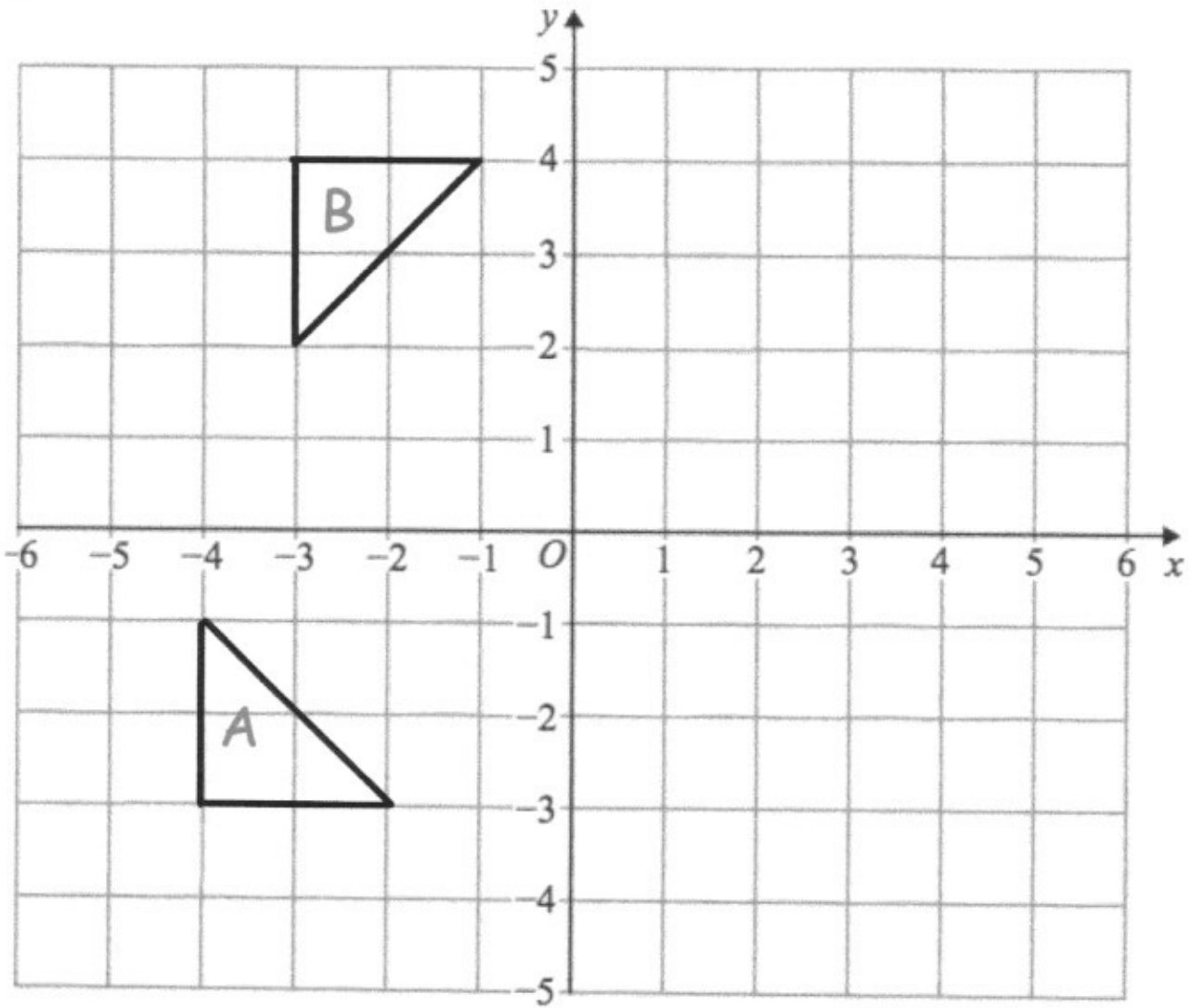
Describe fully the single transformation that maps triangle A onto triangle B.

Rotation  $180^\circ$  using  $(2, 0)$  as the  
centre of rotation

(2)



8.

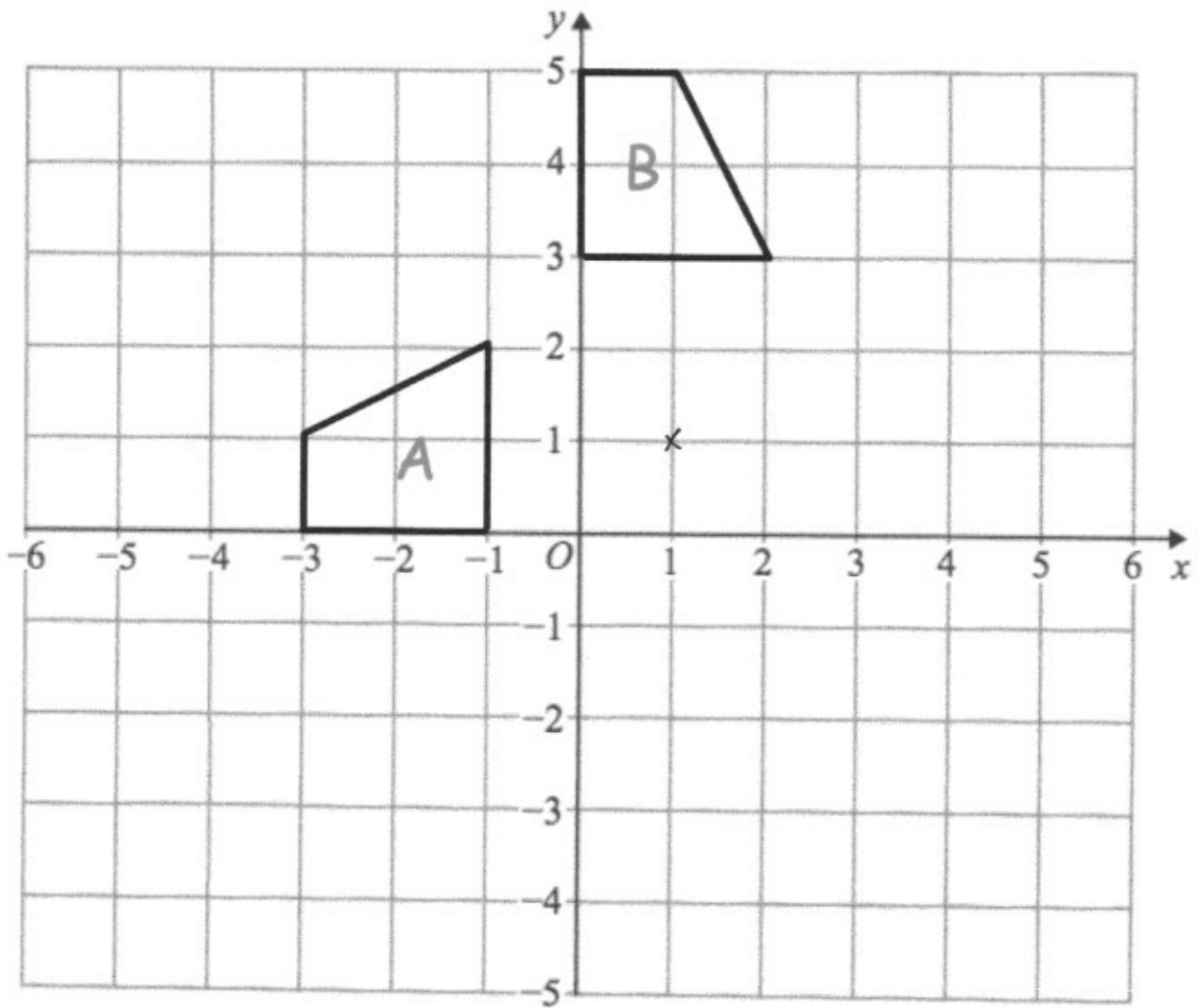


Describe fully the single transformation that maps triangle A onto triangle B.

Rotation  $90^\circ$  clockwise using  $(0,0)$  as the  
centre of rotation.

(2)

9.



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

Rotation  $90^\circ$  clockwise using  $(1, 1)$  as the  
centre of rotation.

(2)