

Name: _____

GCSE (1 – 9)

Rotations

Instructions

- Use **black** ink or ball-point pen.
- Answer all Questions.
- Answer the Questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

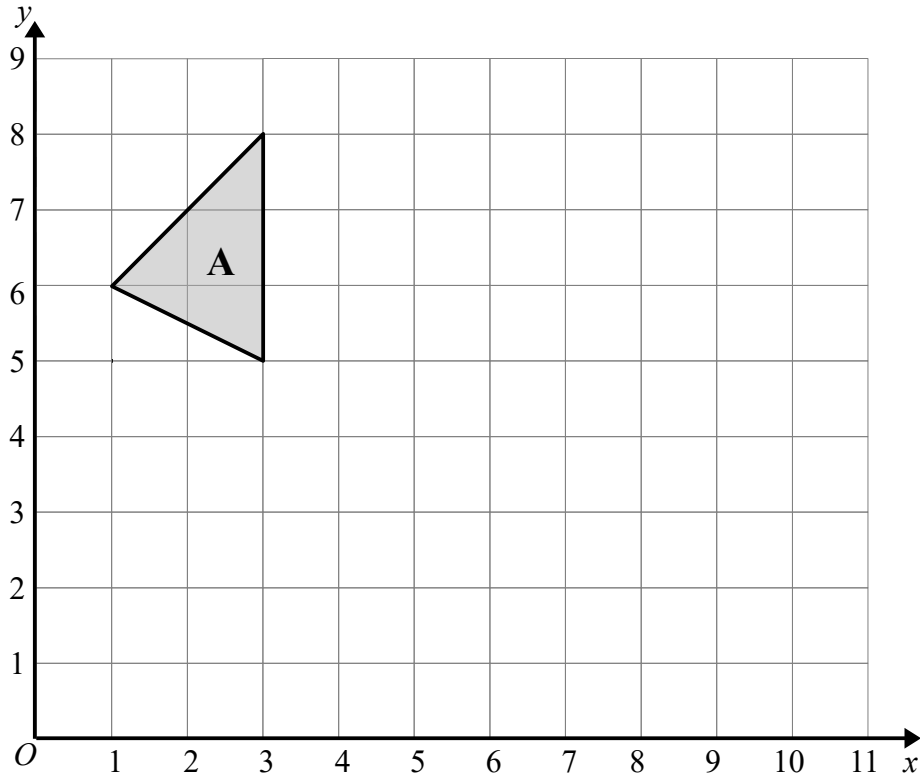
Information

- The marks for each Question are shown in brackets
– *use this as a guide as to how much time to spend on each Question.*

Advice

- Read each Question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every Question.
- Check your answers if you have time at the end

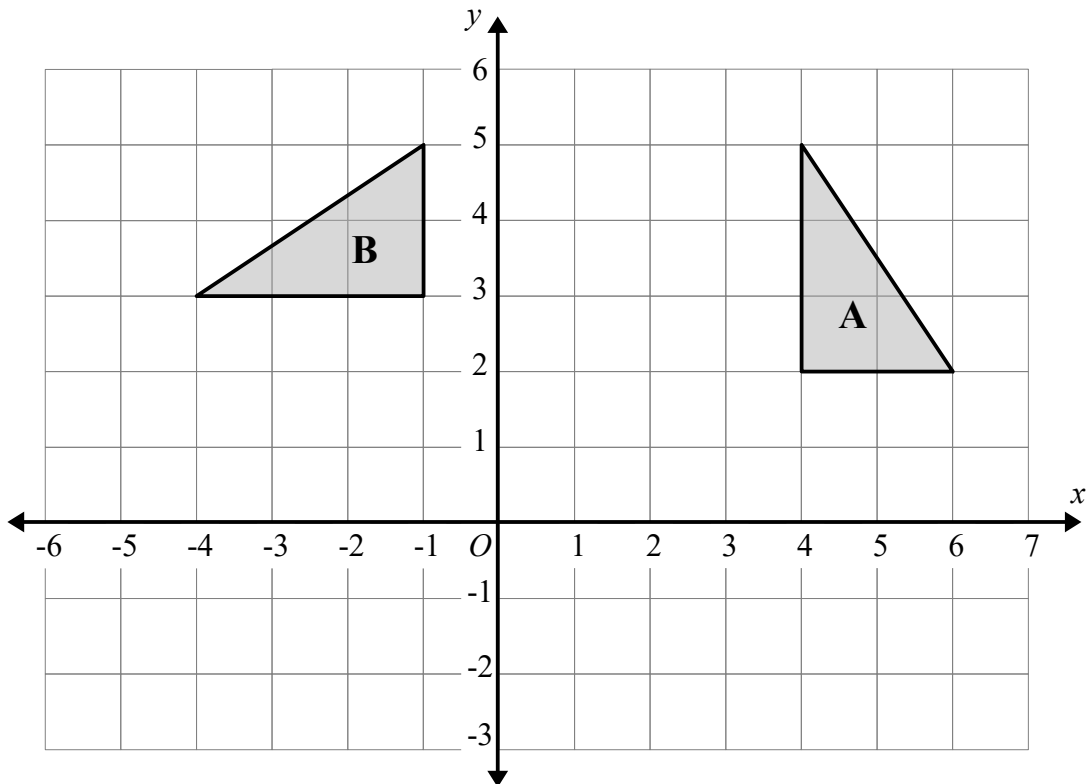
1



Rotate triangle A 90° clockwise about (4,3).

(Total for question 1 is 2 marks)

2

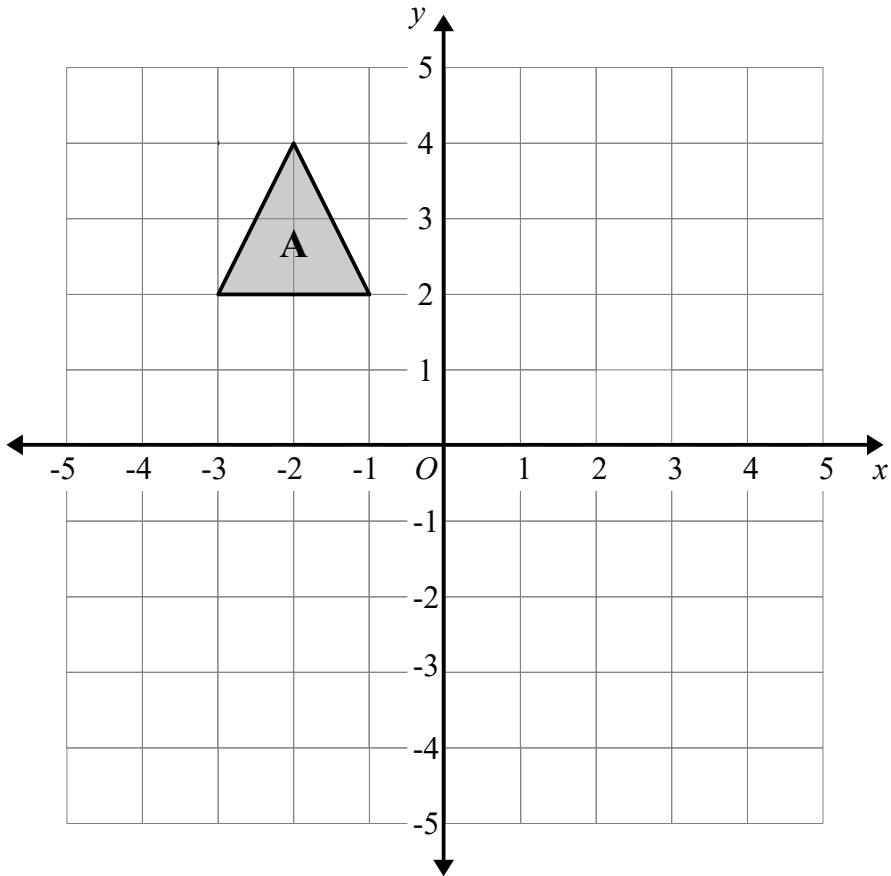


Describe fully the single transformation that maps triangle A on triangle B.

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(Total for question 2 is 2 marks)

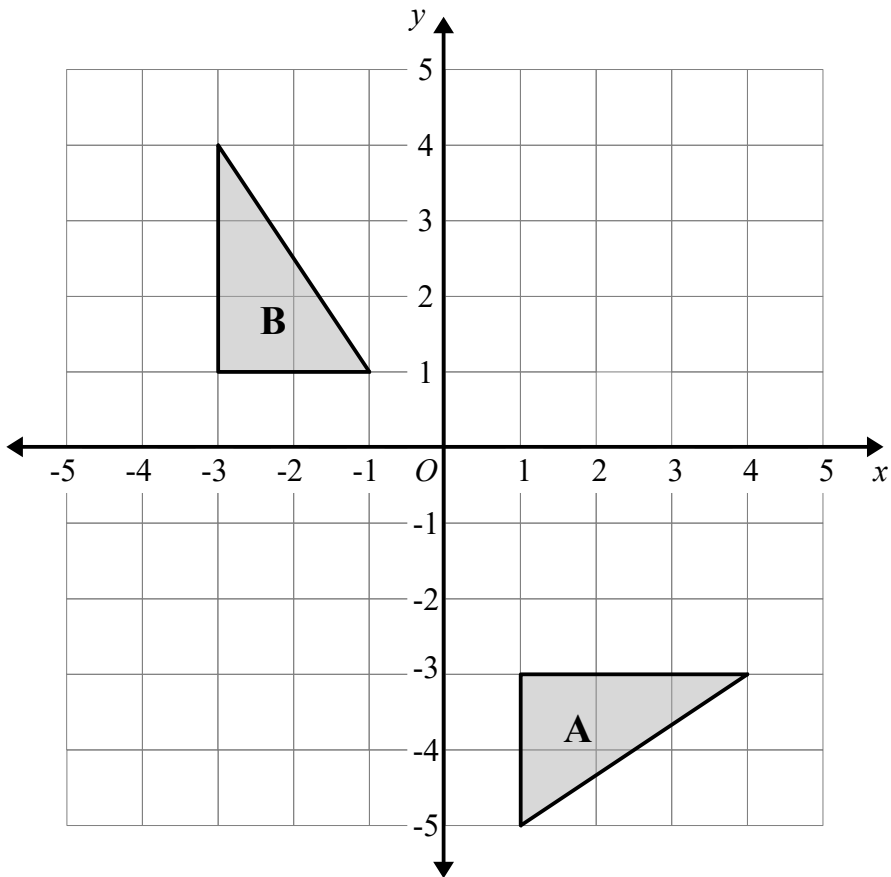
3



Rotate shape A 180° about (1, 0)

(Total for question 3 is 2 marks)

4

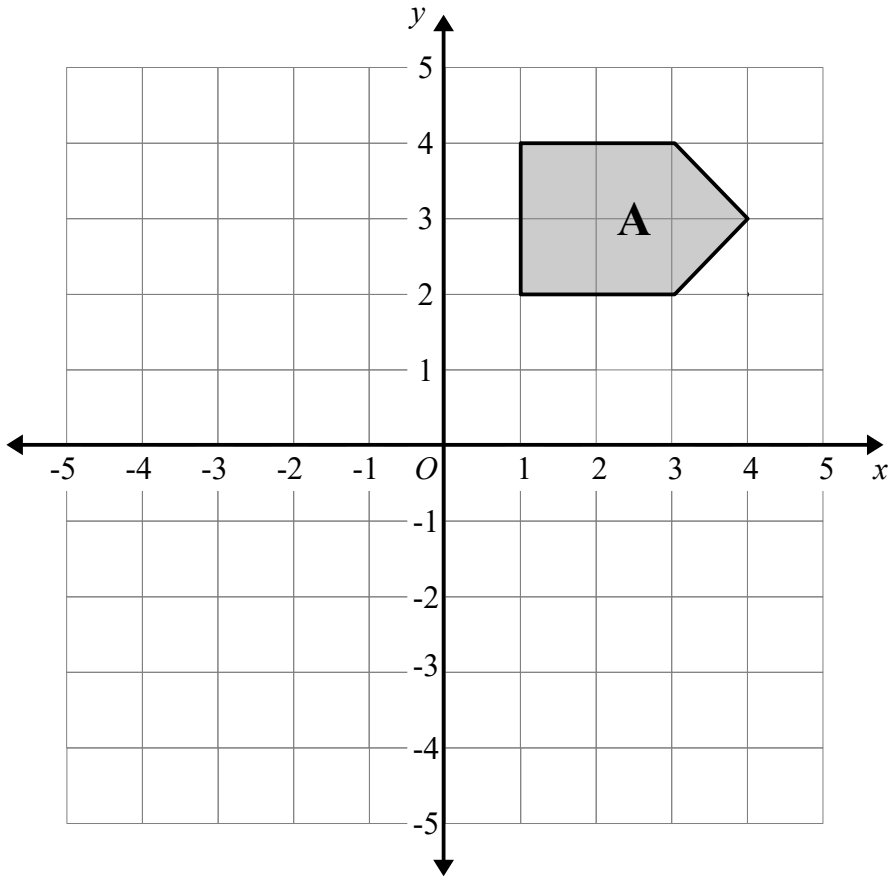


Describe fully the single transformation that maps triangle A on triangle B.

.....

(Total for question 4 is 2 marks)

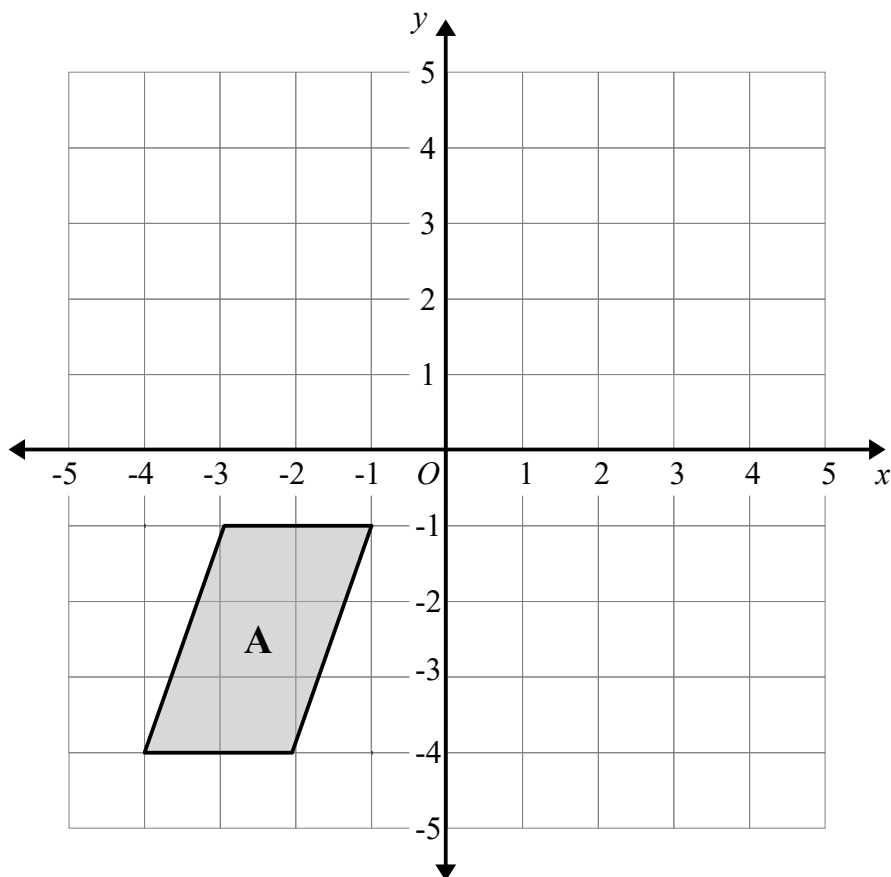
5



Rotate shape A 180° about O .

(Total for question 5 is 2 marks)

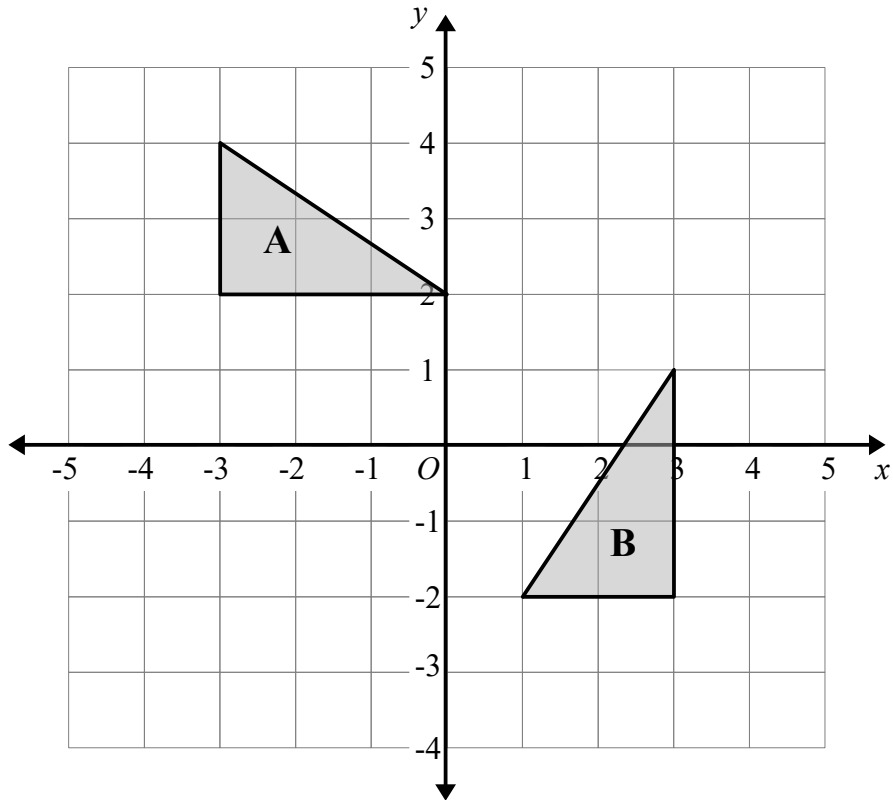
6



Rotate shape A 90° clockwise about centre O .

(Total for question 6 is 2 marks)

7

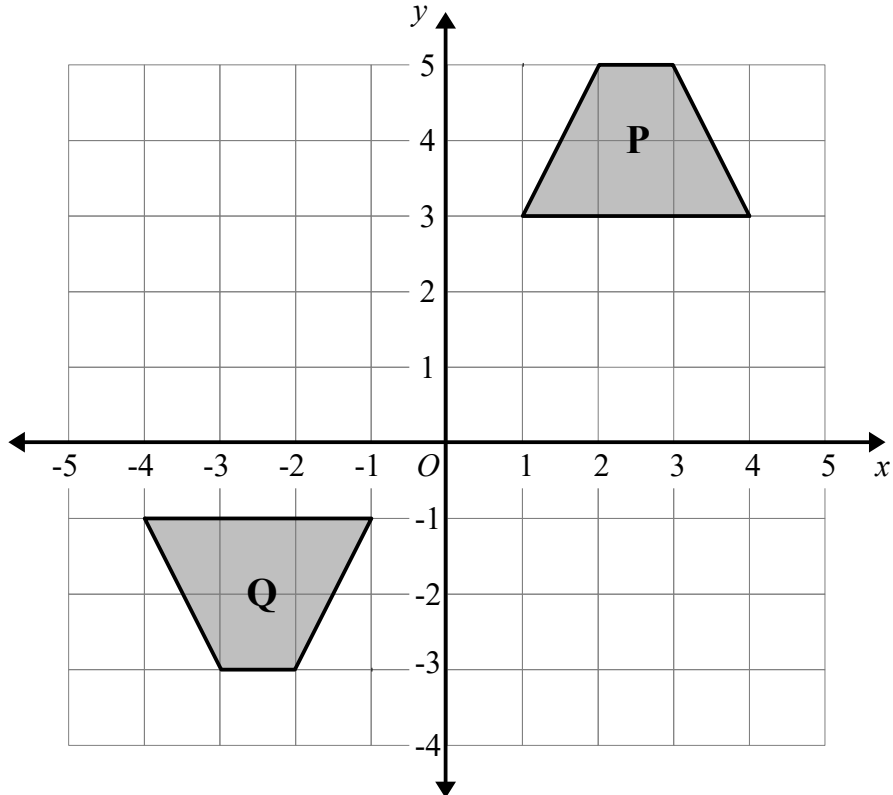


Describe fully the single transformation that maps triangle A on triangle B.

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(Total for question 7 is 2 marks)

8



Describe fully the single transformation that maps triangle P on triangle Q.

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(Total for question 8 is 2 marks)