

Transformations-Rotations

Mark Scheme

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Transformations-Rotations
Grade Level	Grade 3
Booklet	Mark Scheme

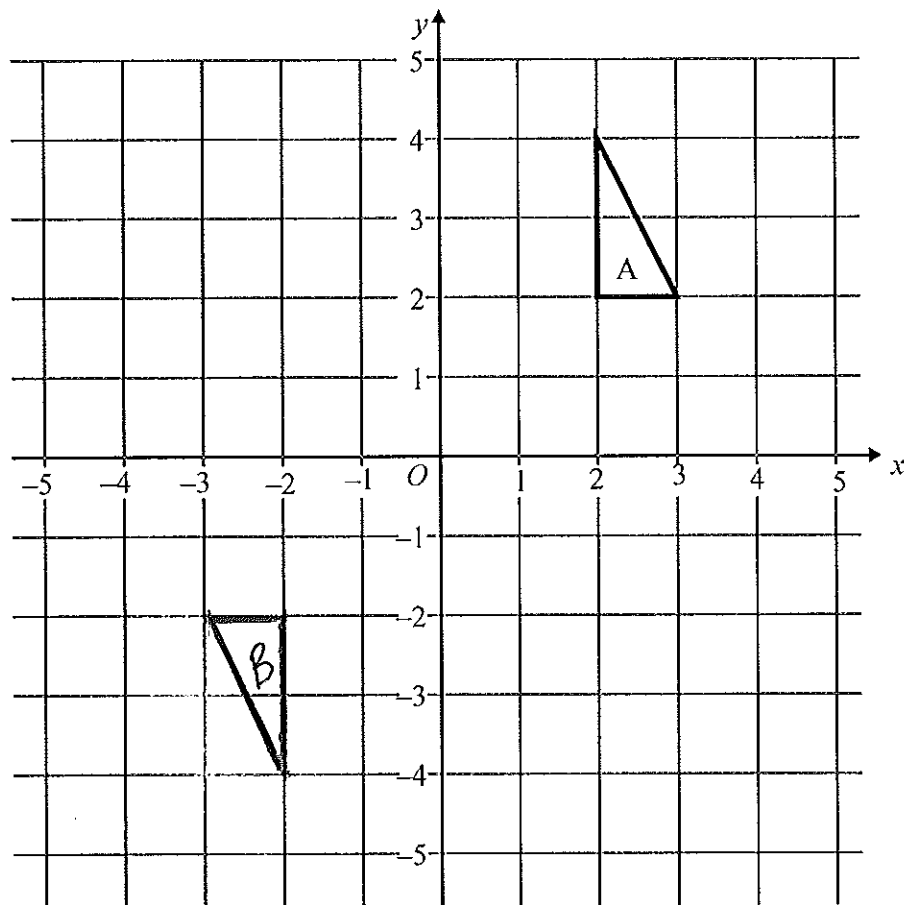
Time Allowed: 21 minutes

Score: /17

Percentage: /100

Grade Boundaries:

1.

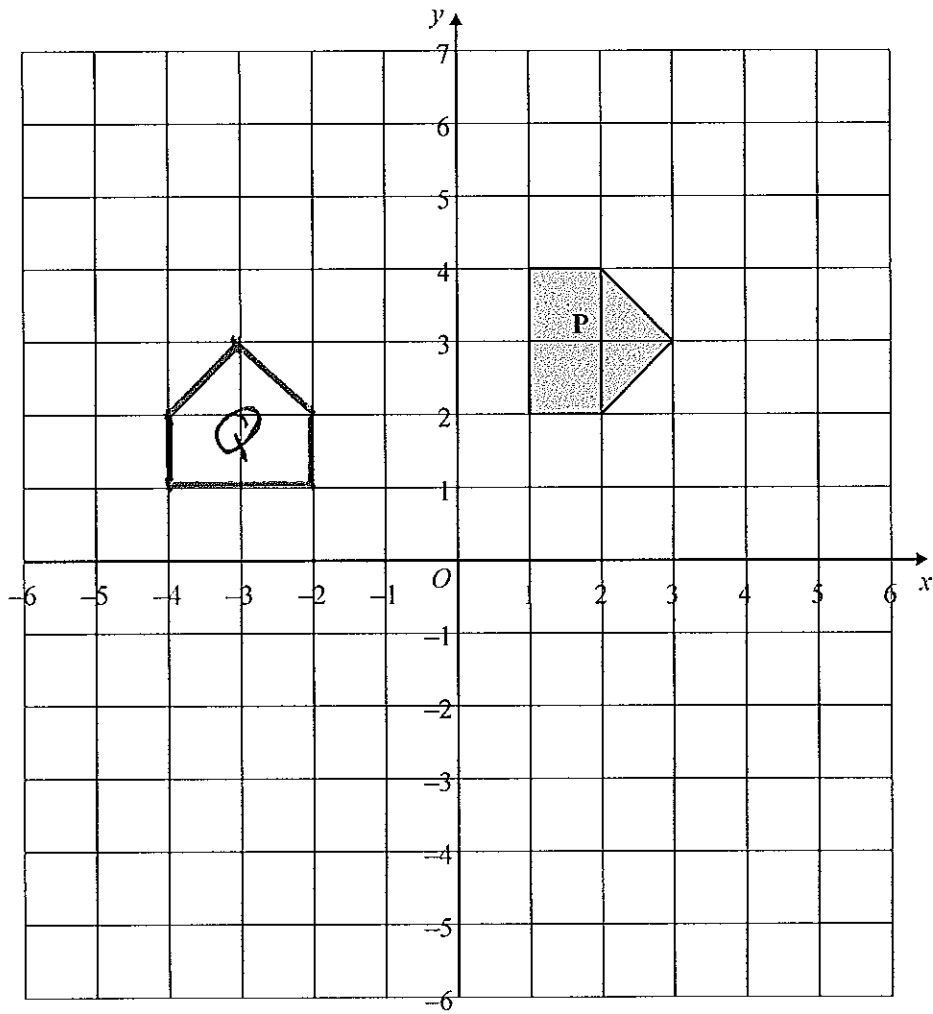


On the grid, rotate triangle A 180° about O.

Label your new triangle B.

(2)
(Total 2 marks)

2.



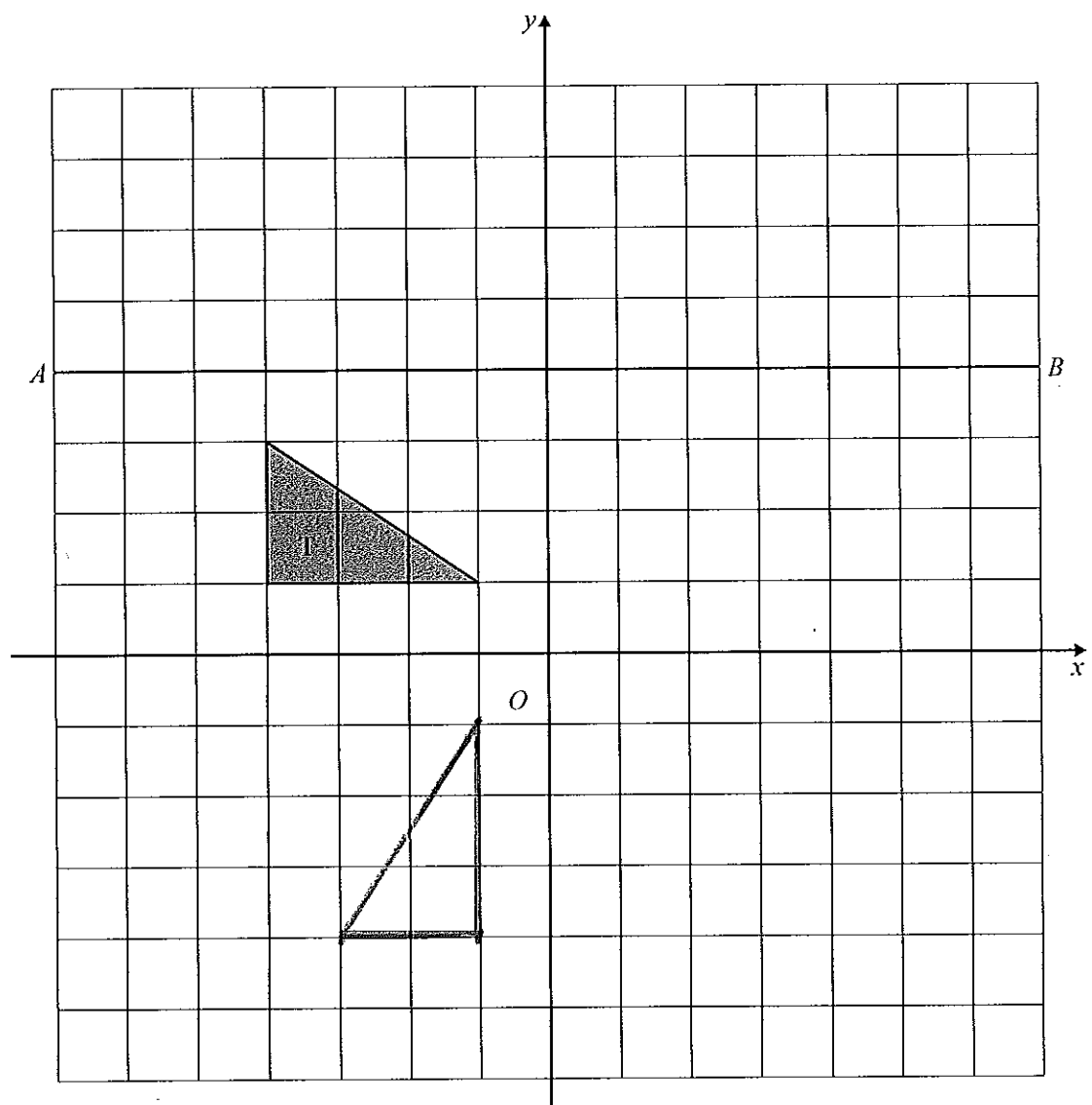
On the grid, rotate the shaded shape **P** one quarter turn anticlockwise about *O*.

Label the new shape **Q**.

(3)

(Total 3 marks)

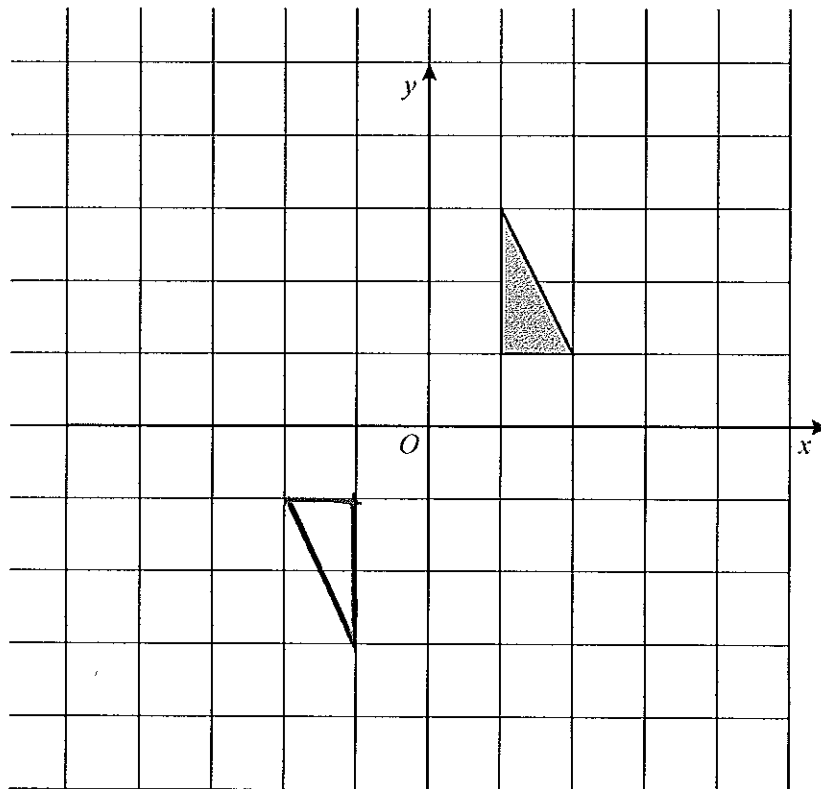
3.



Rotate the triangle a quarter turn anticlockwise, centre O .

(Total 2 marks)

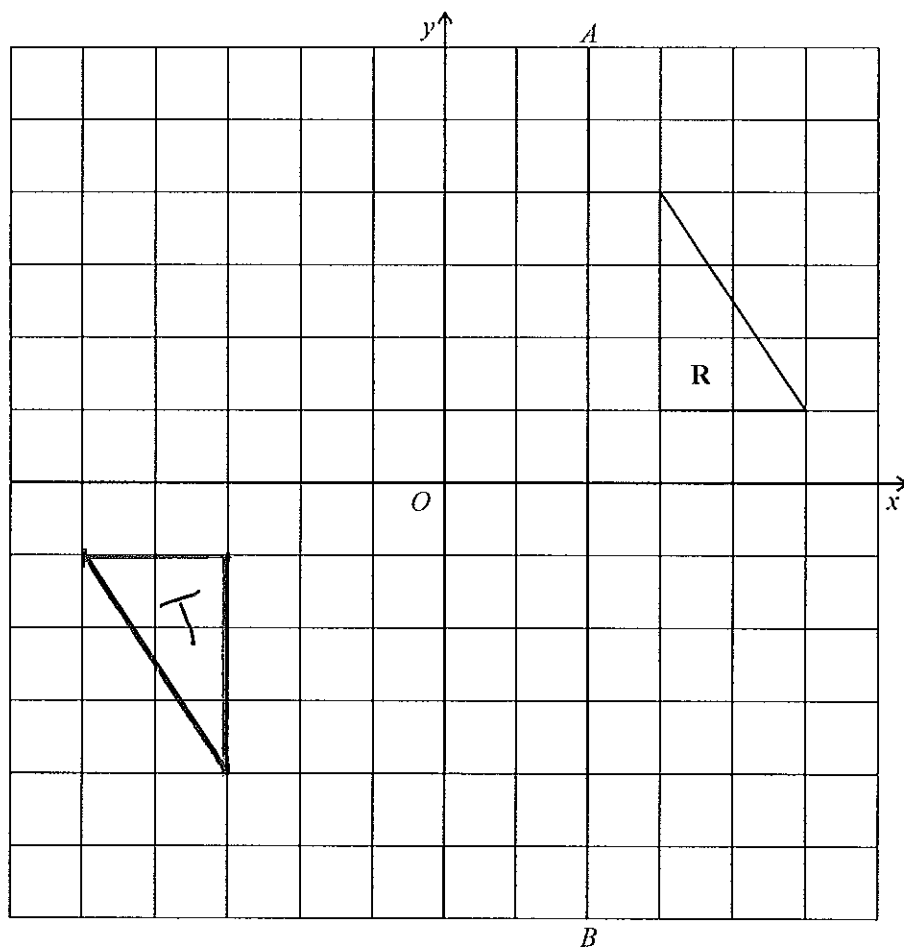
4.



Rotate the triangle a half turn about the point O .

(Total 2 marks)

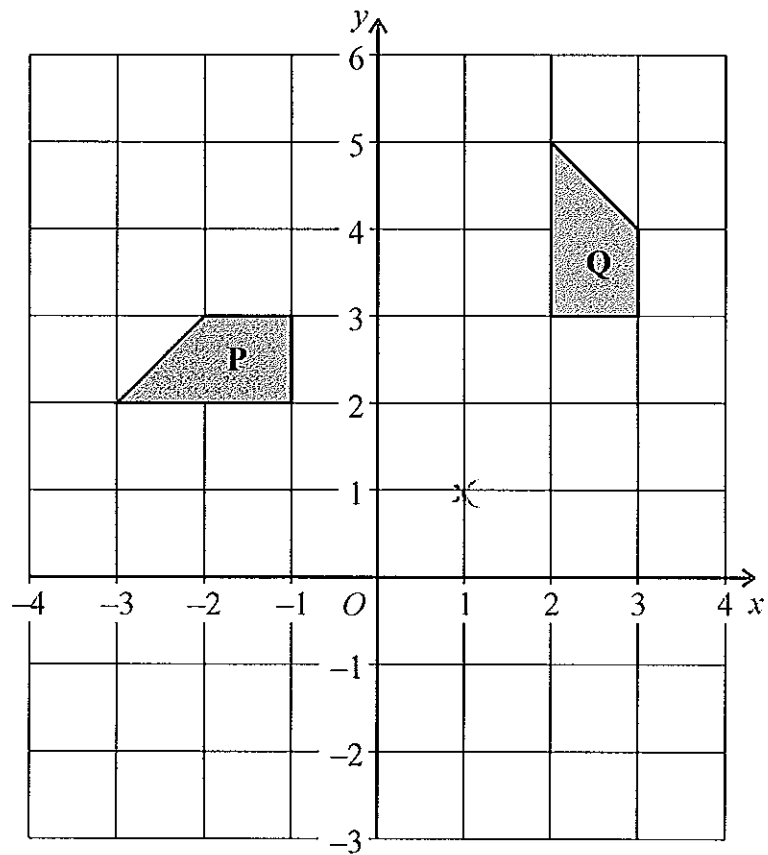
5.



Rotate triangle **R** a half turn about the point O .
Label the new triangle **T**.

(2)
(Total 2 marks)

6.



Describe fully the single transformation that maps shape P onto shape Q.

Rotation, 90° clockwise, centre (1, 1)

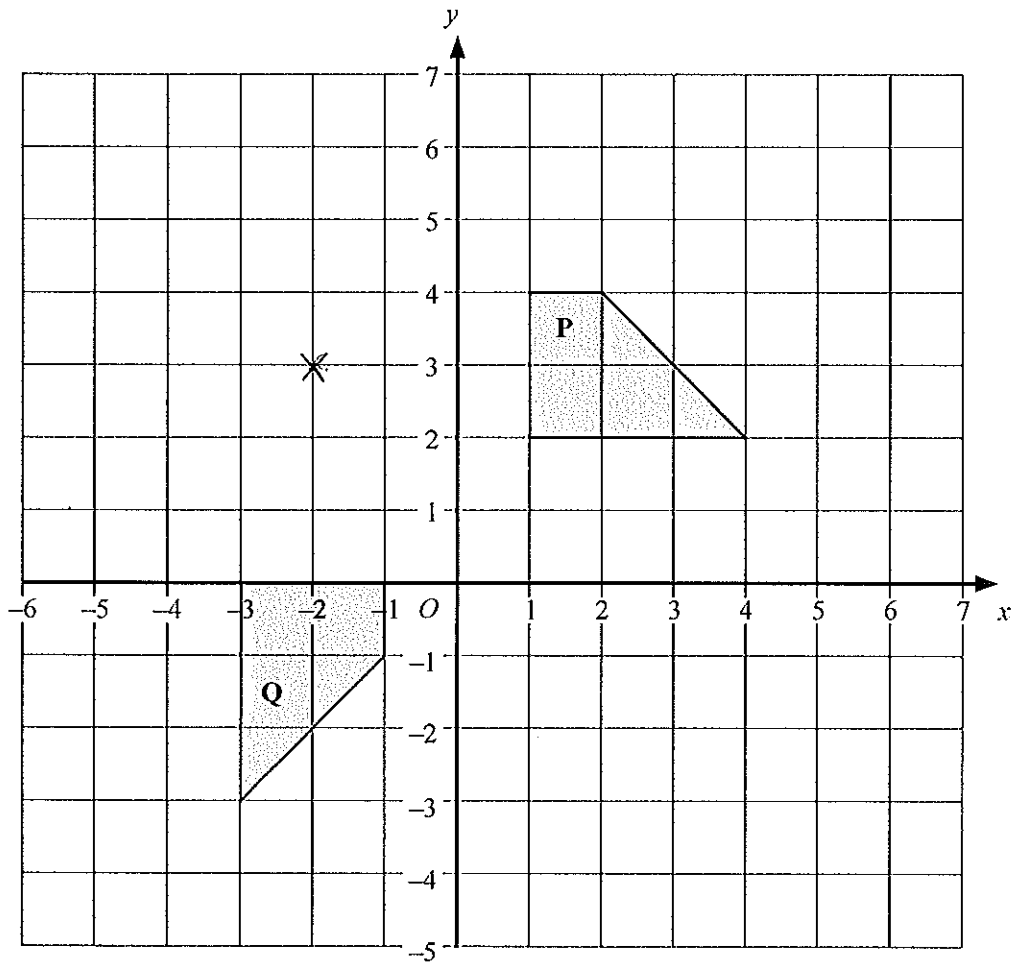
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.....

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(Total 3 marks)

7.



Describe fully the single transformation that will map shape P onto shape Q.

..... Rotation, 90° Clockwise, centre $(-2, 3)$

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(Total 3 marks)