

8300

GCSE MATHEMATICS

Foundation and Higher tier – Questions by Topic

Geometry

Transformations - Rotation

v1.0

Name _____

Materials

For this paper you must have:

- Mathematical instruments
- A calculator



Information

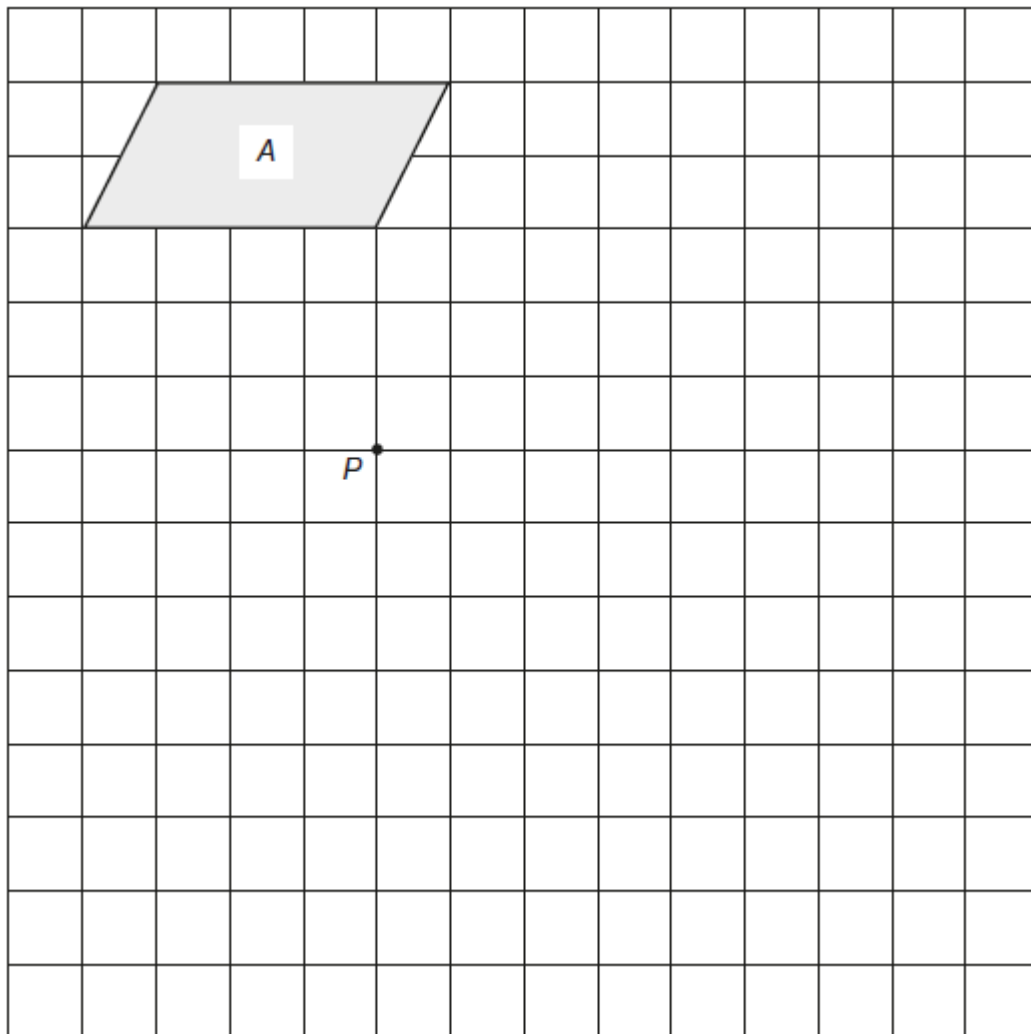
- The marks for questions are shown in brackets

Advice

- In all calculations, show clearly how you work out your answer

Q1.

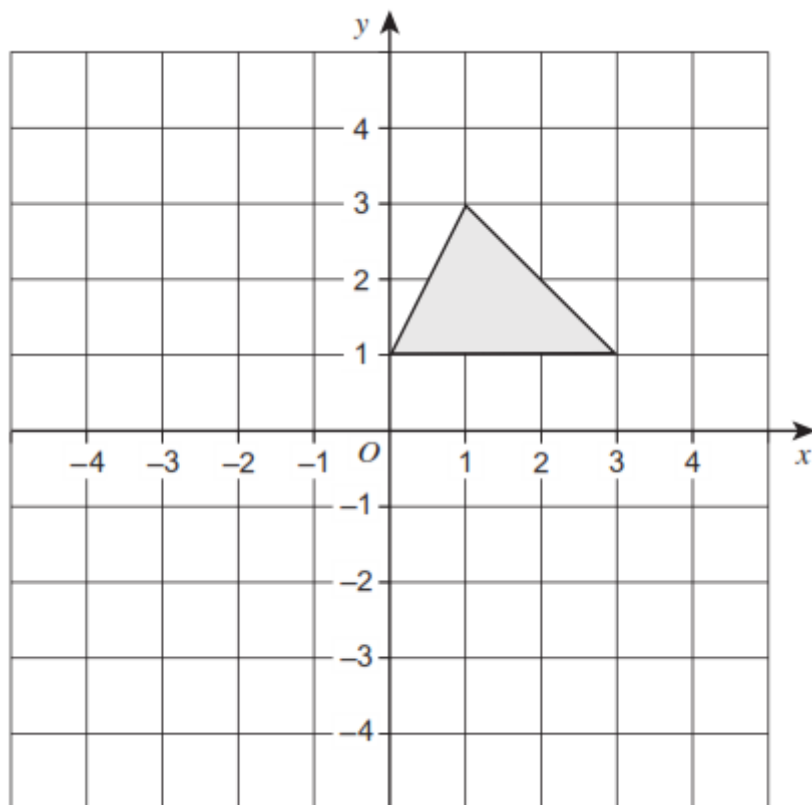
On this grid, rotate shape *A* by 90° clockwise about point *P*.



(Total 3 marks)

Q2.

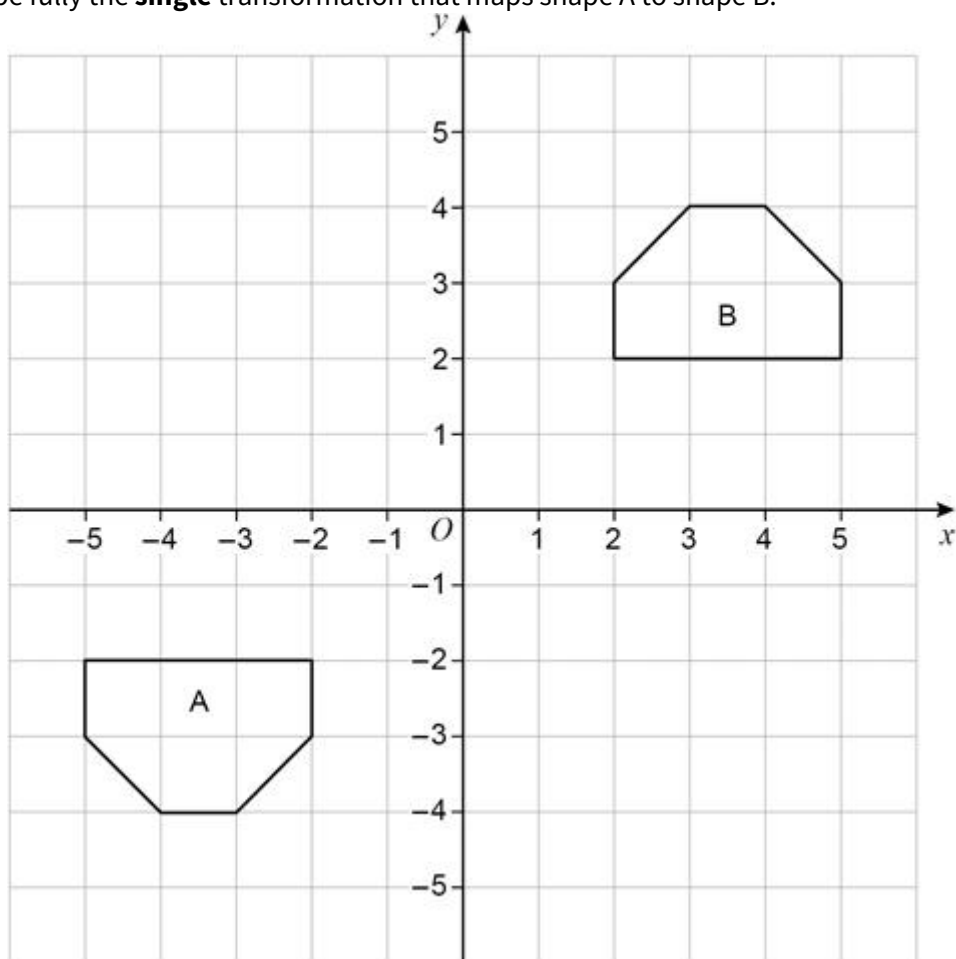
Rotate the triangle through 90° clockwise about $(0, 1)$.



(Total 2 marks)

Q3.

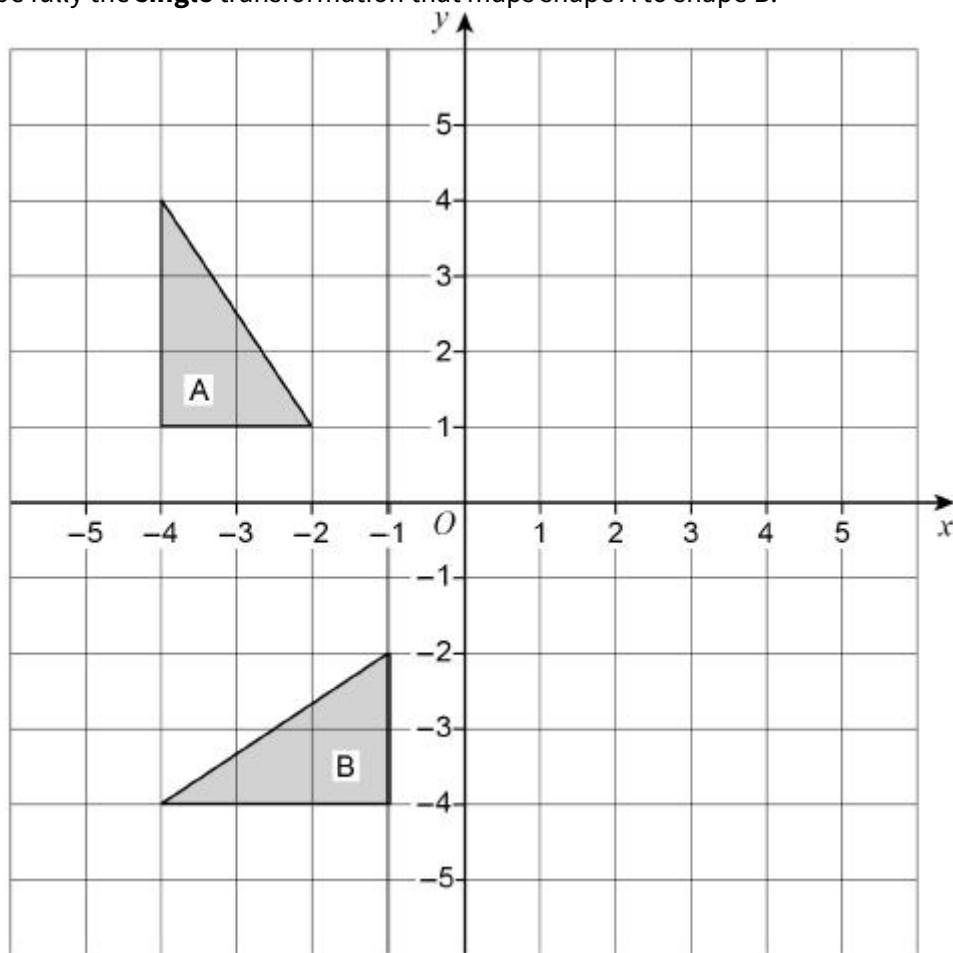
Describe fully the **single** transformation that maps shape A to shape B.



(Total 3 marks)

Q4.

Describe fully the **single** transformation that maps shape A to shape B.



(Total 3 marks)