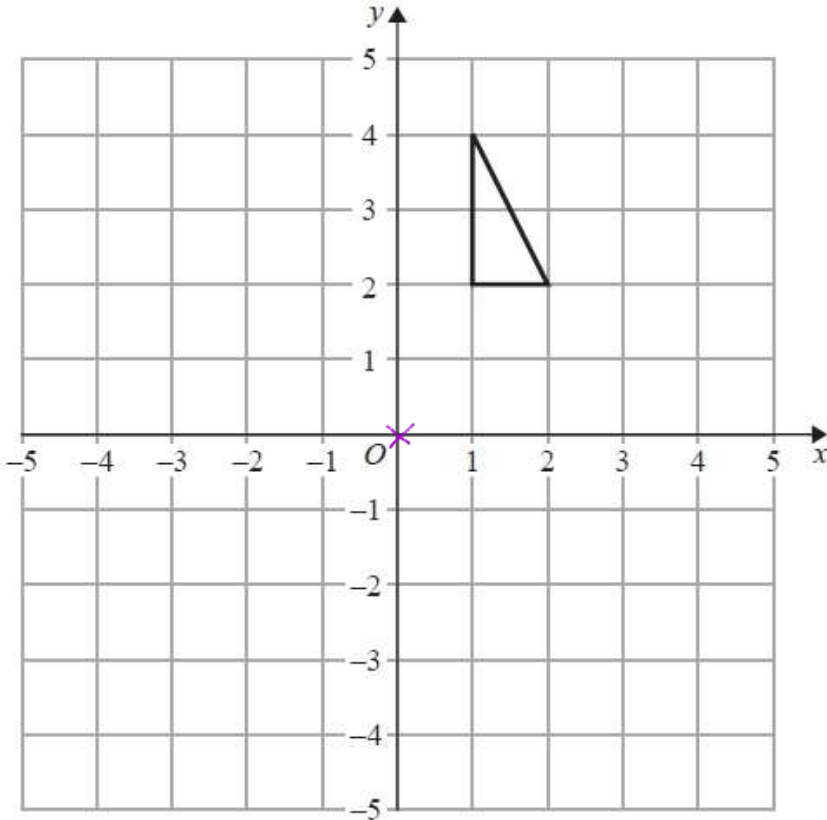


GCSE QUESTIONS WITH CLUES

Q1. NON-CALCULATOR

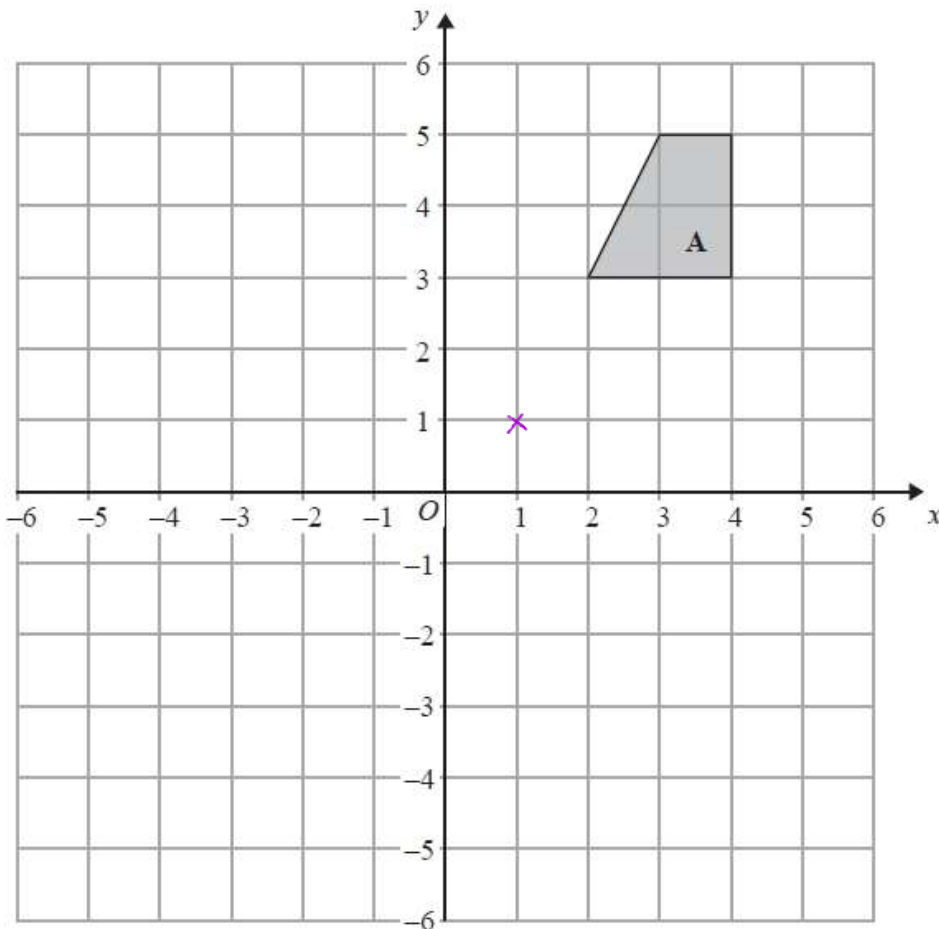


On the grid, rotate the triangle 90° clockwise about (0, 0).

(Total for question is 2 marks)

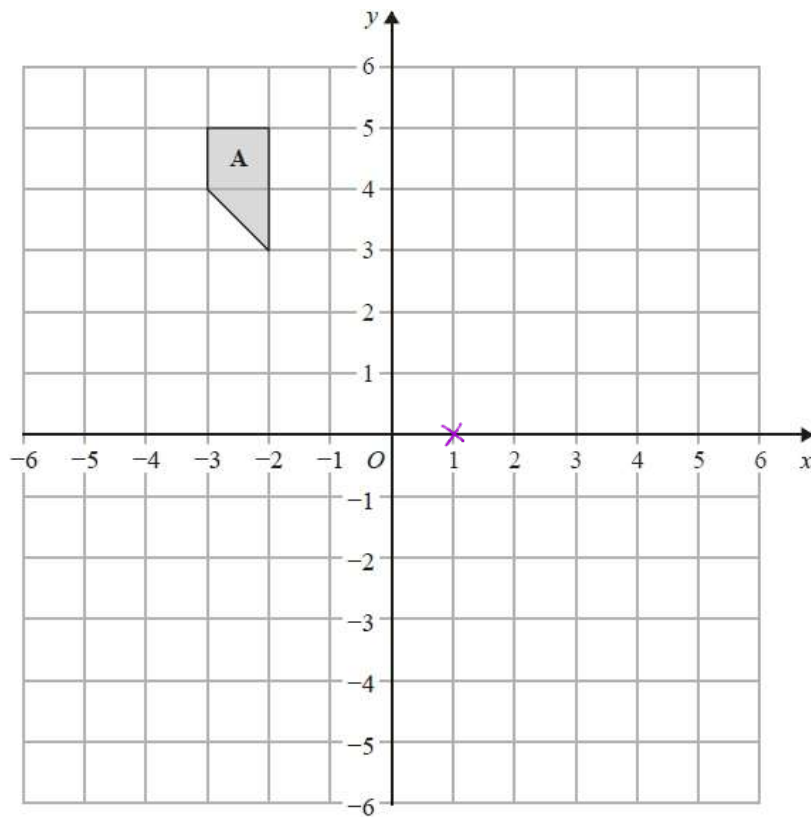
Q2. NON-CALCULATOR

On the grid, rotate shape **A** 180° about the point (1, 1).



(Total for Question is 2 marks)

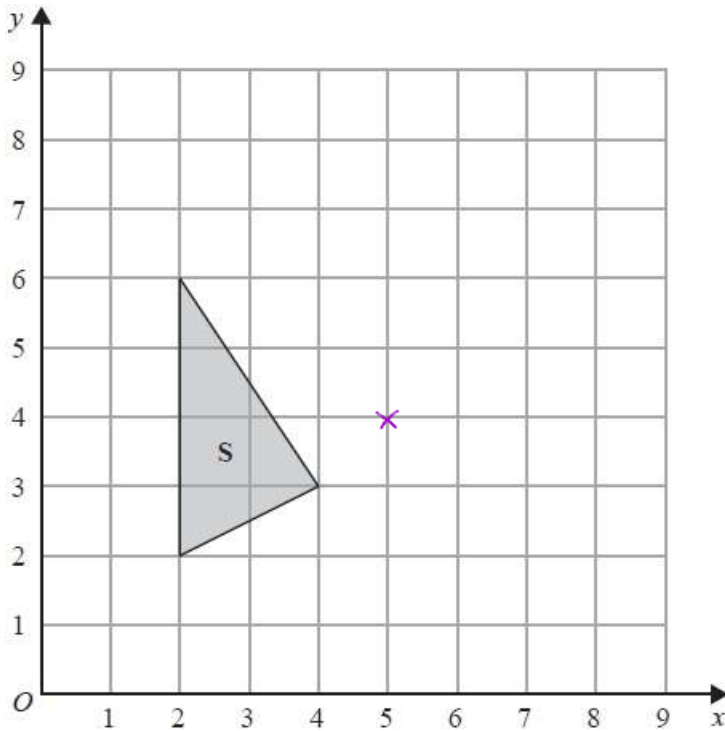
Q3. NON-CALCULATOR



Rotate shape **A** 180° about $(1, 0)$

(Total for question = 2 marks)

Q4. NON-CALCULATOR



(a) Rotate shape **S** 90° clockwise, centre $(5, 4)$

Label your image **T**.

(2)

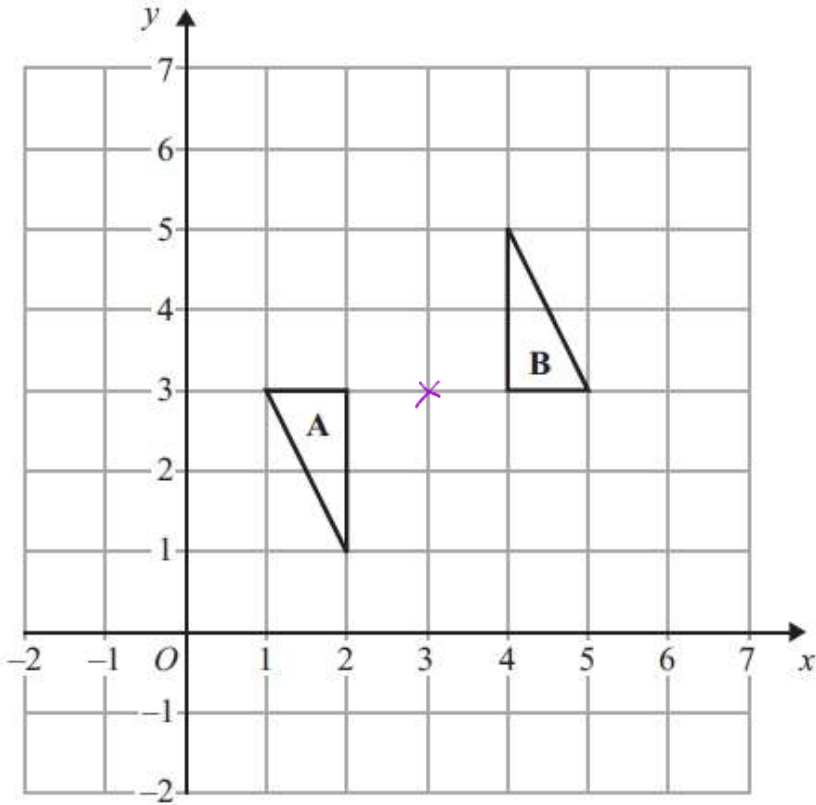
(b) Describe fully the single transformation that will map shape **T** onto shape **S**.

.....

(1)

(Total for question = 3 marks)

Q5. NON-CALCULATOR

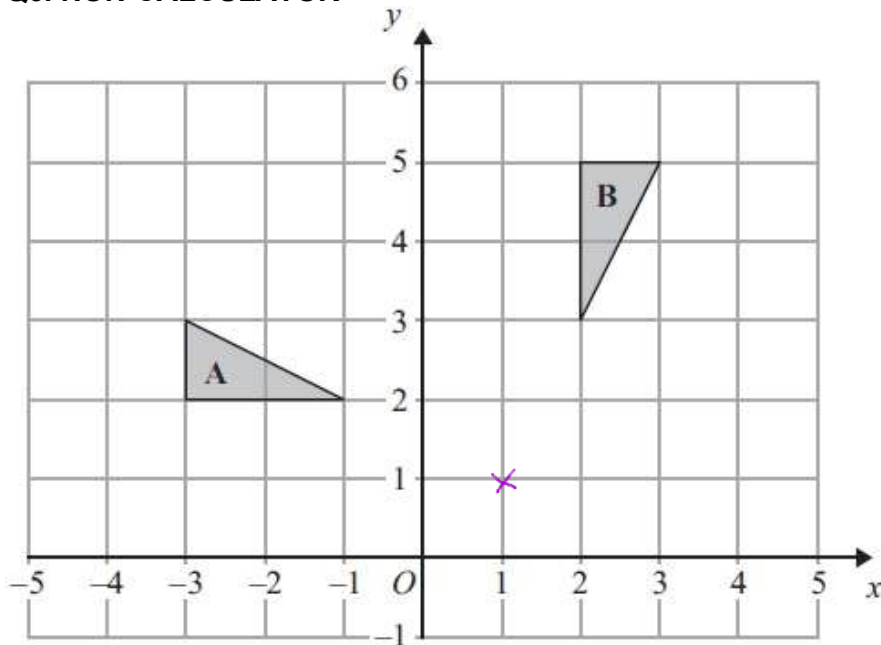


Describe fully the single transformation that maps triangle A onto triangle B.

.....

(Total for Question is 3 marks)

Q6. NON-CALCULATOR

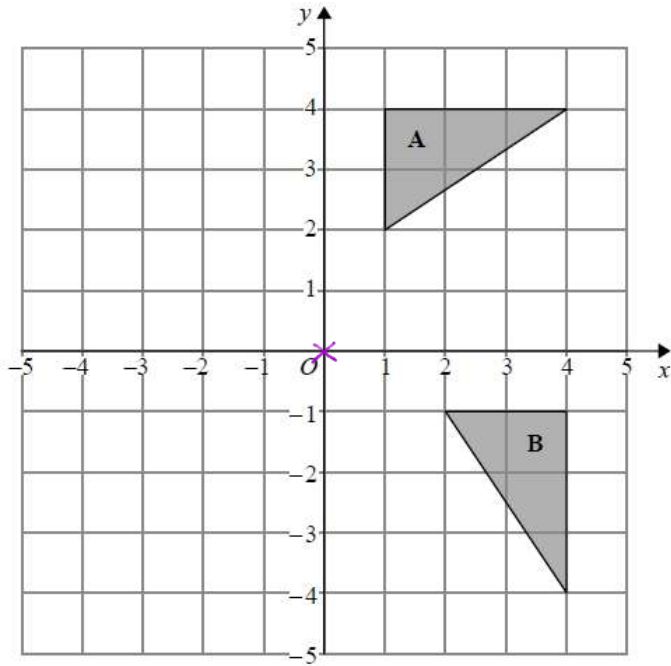


Describe fully the single transformation which maps triangle A onto triangle B.

.....

(Total for Question is 3 marks)

Q7. NON-CALCULATOR

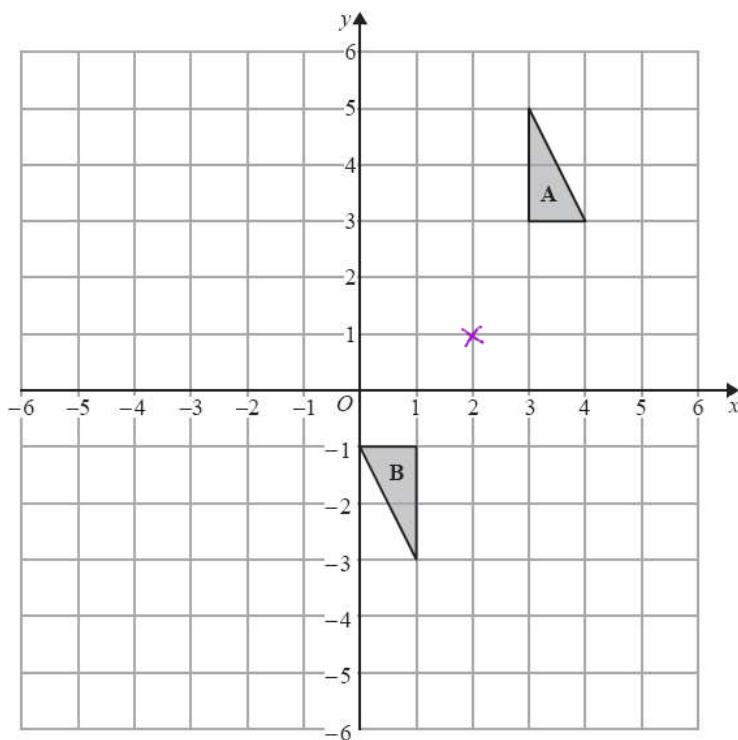


Describe fully the single transformation that maps triangle A onto triangle B.

.....

(Total for question = 2 marks)

Q8. NON-CALCULATOR

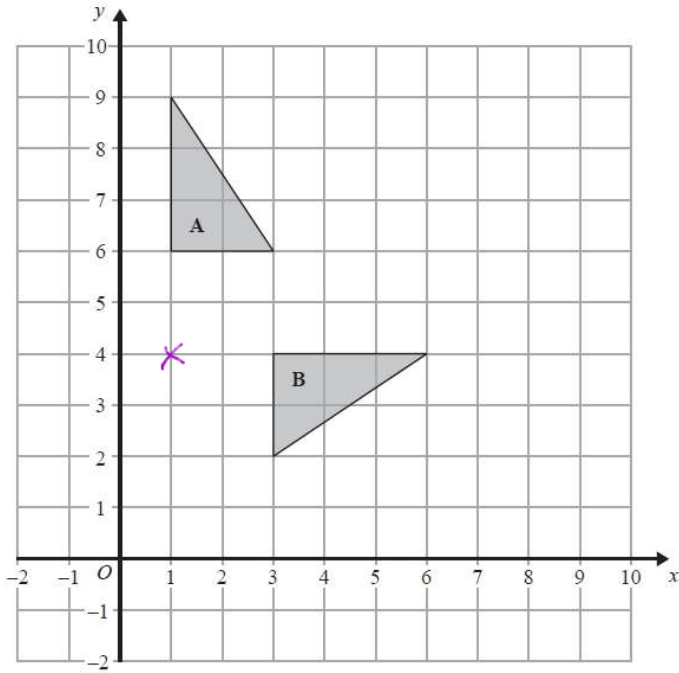


Describe fully the single transformation that maps triangle A onto triangle B.

.....

(Total for question = 3 marks)

Q9. NON-CALCULATOR



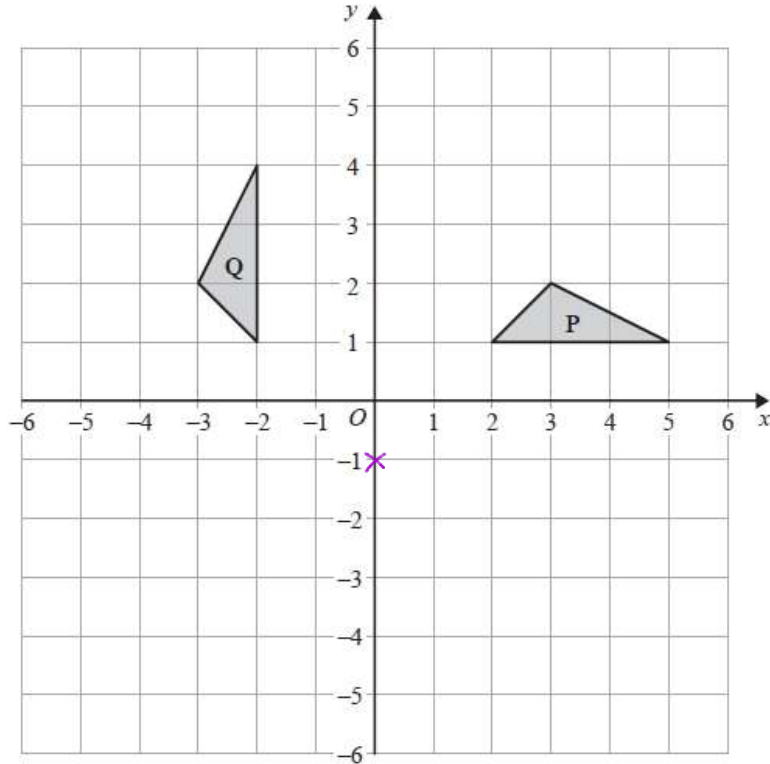
Describe fully the single transformation that maps triangle A onto triangle B.

.....

.....

(Total for question = 3 marks)

Q10. NON-CALCULATOR



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

.....

.....

(Total for question = 2 marks)