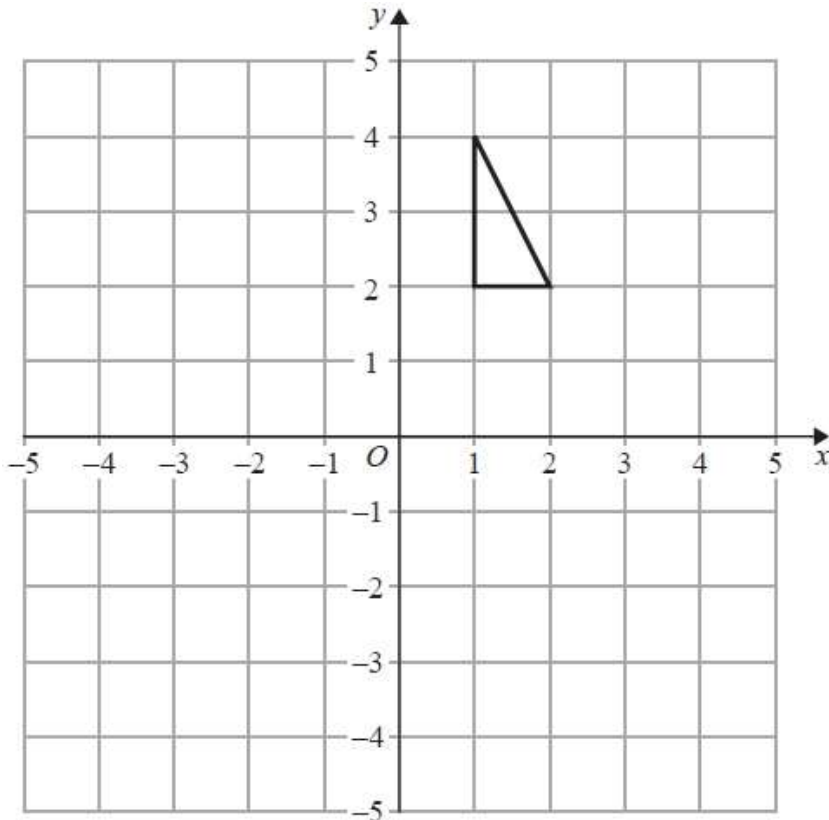


## GCSE QUESTIONS

### Q1. NON-CALCULATOR

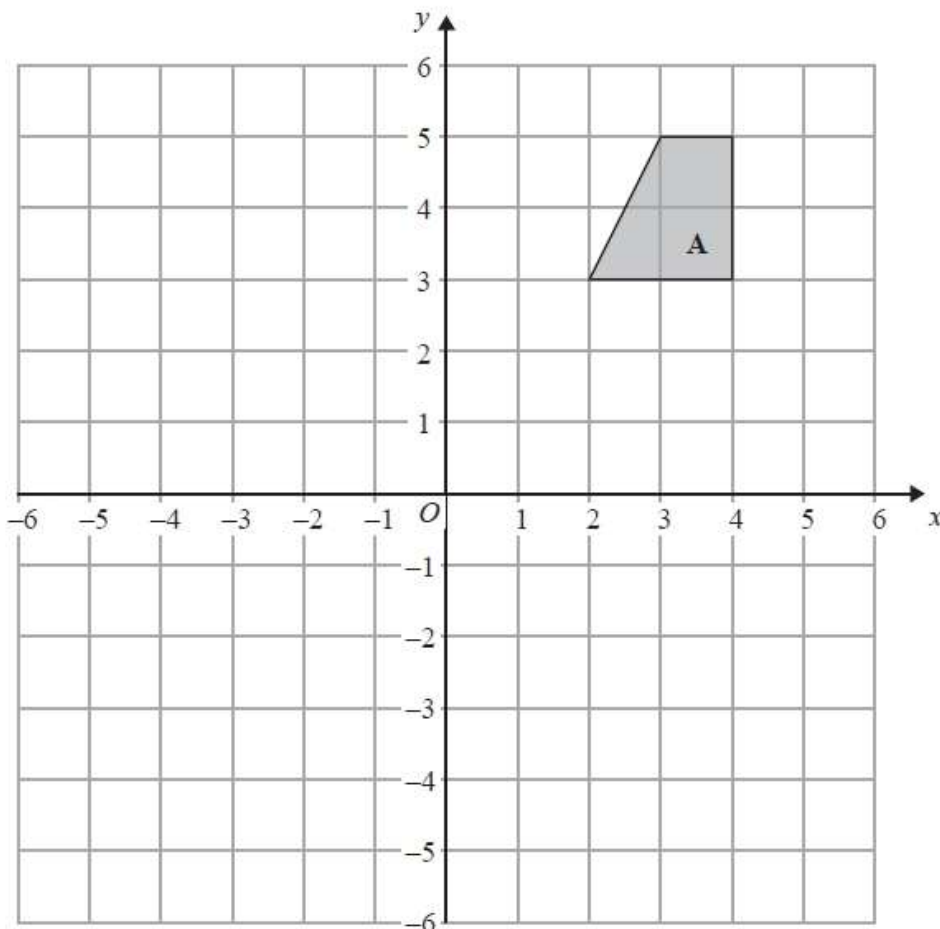


On the grid, rotate the triangle  $90^\circ$  clockwise about  $(0, 0)$ .

(Total for question is 2 marks)

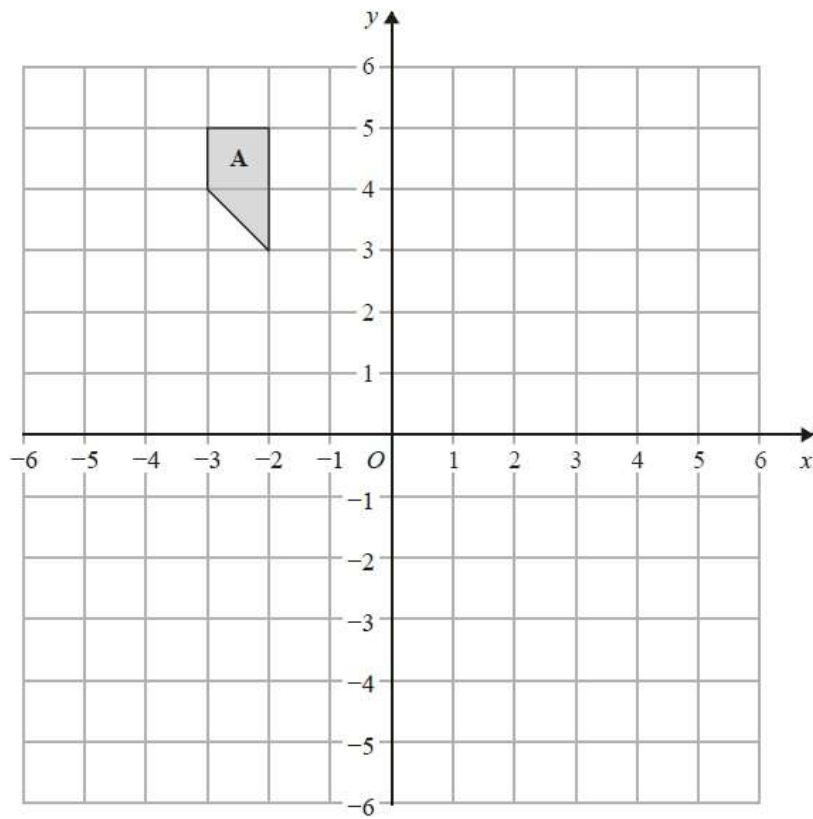
### Q2. NON-CALCULATOR

On the grid, rotate shape **A**  $180^\circ$  about the point  $(1, 1)$ .



(Total for Question is 2 marks)

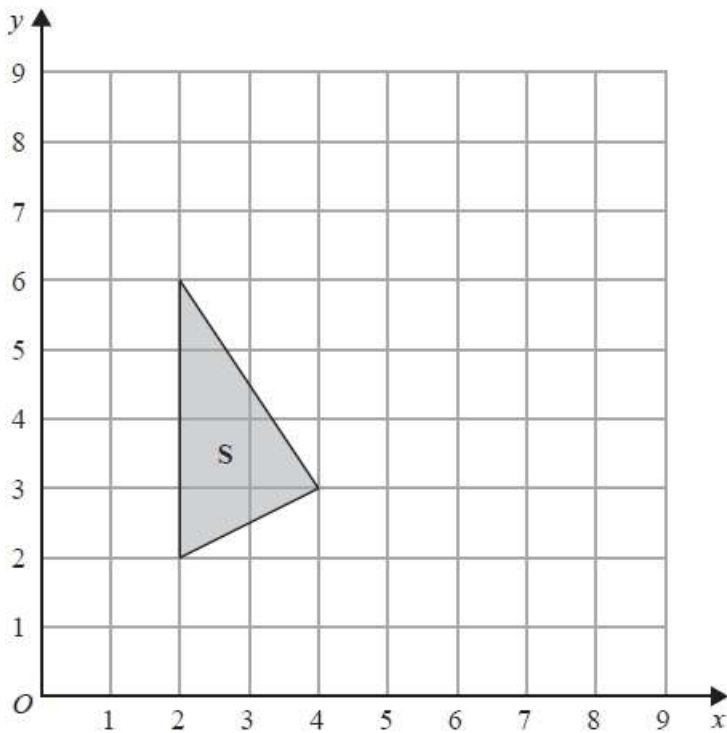
**Q3. NON-CALCULATOR**



Rotate shape **A**  $180^\circ$  about  $(1, 0)$

(Total for question = 2 marks)

**Q4. NON-CALCULATOR**



(a) Rotate shape **S**  $90^\circ$  clockwise, centre  $(5, 4)$

Label your image **T**.

(2)

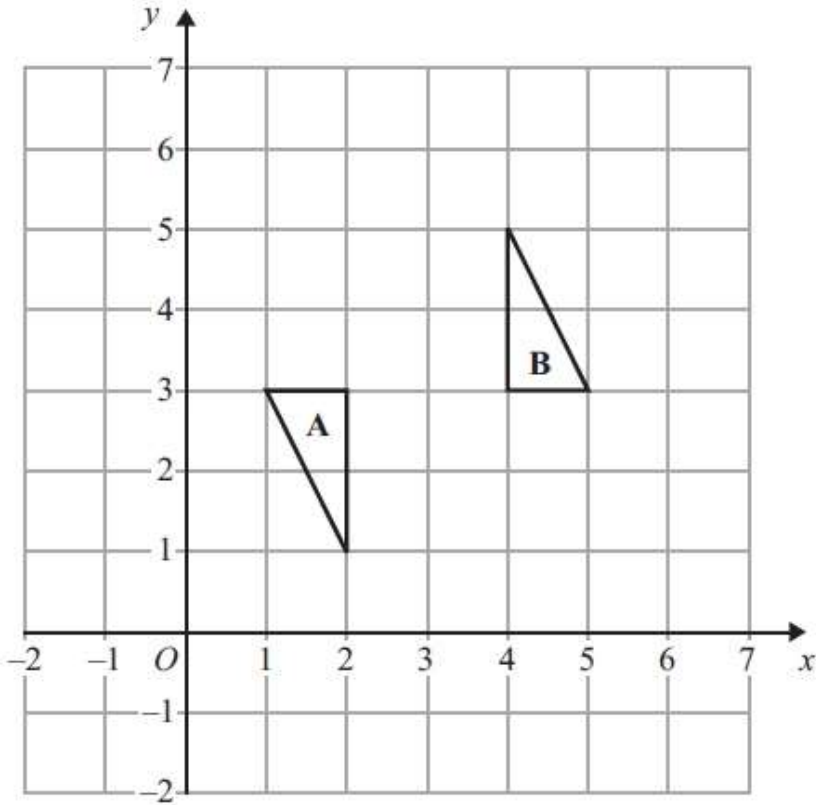
(b) Describe fully the single transformation that will map shape **T** onto shape **S**.

.....

(1)

(Total for question = 3 marks)

**Q5. NON-CALCULATOR**

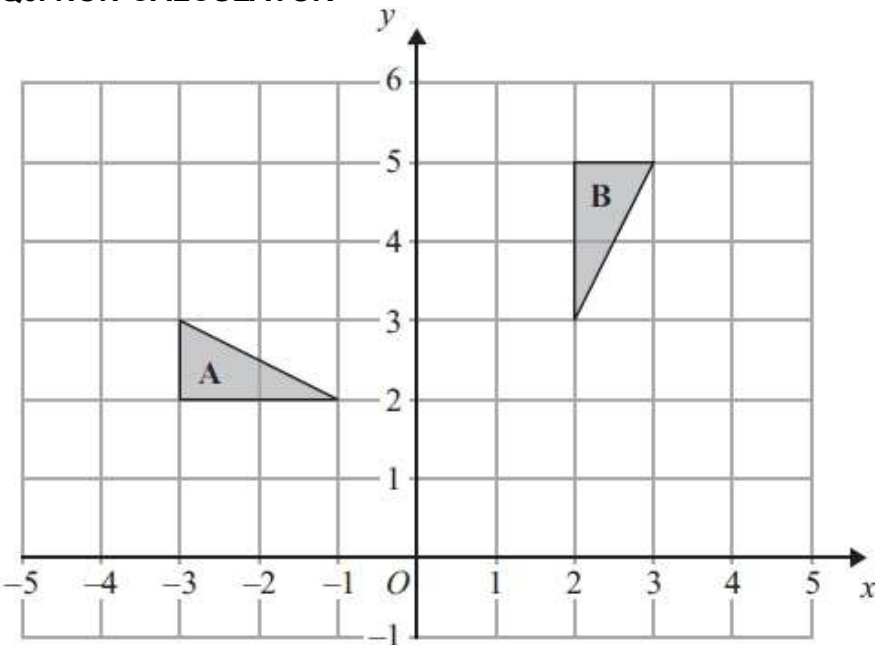


Describe fully the single transformation that maps triangle **A** onto triangle **B**.

.....  
 .....

(Total for Question is 3 marks)

**Q6. NON-CALCULATOR**

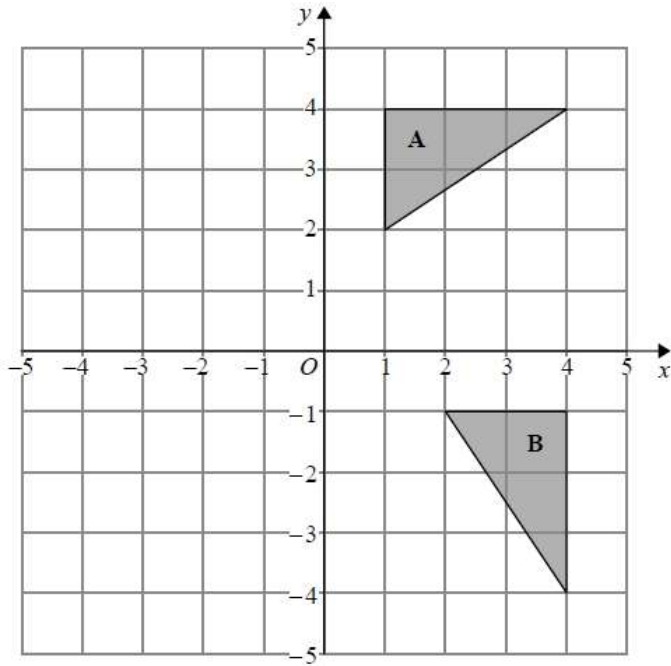


Describe fully the single transformation which maps triangle **A** onto triangle **B**.

.....  
 .....

(Total for Question is 3 marks)

**Q7. NON-CALCULATOR**



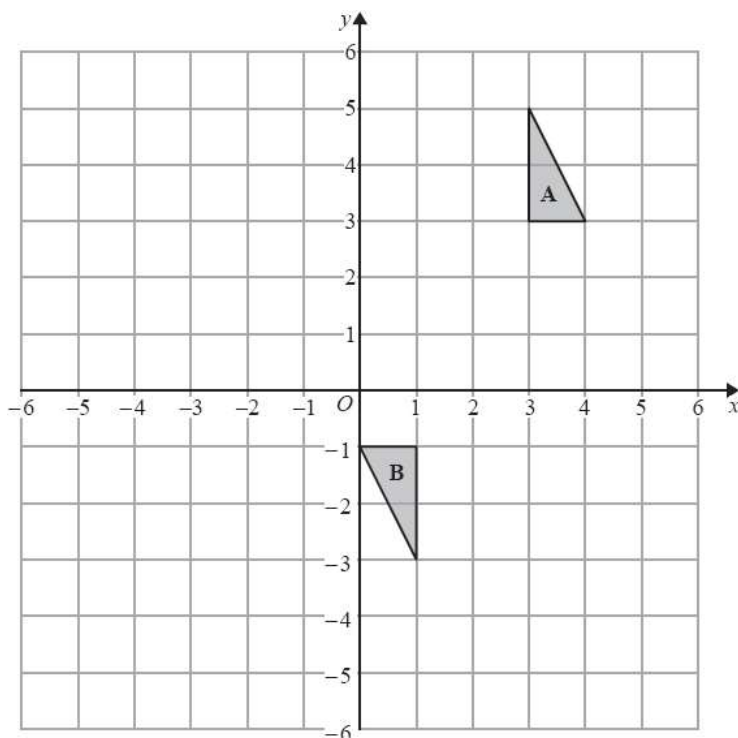
Describe fully the single transformation that maps triangle **A** onto triangle **B**.

.....

.....

(Total for question = 2 marks)

**Q8. NON-CALCULATOR**



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

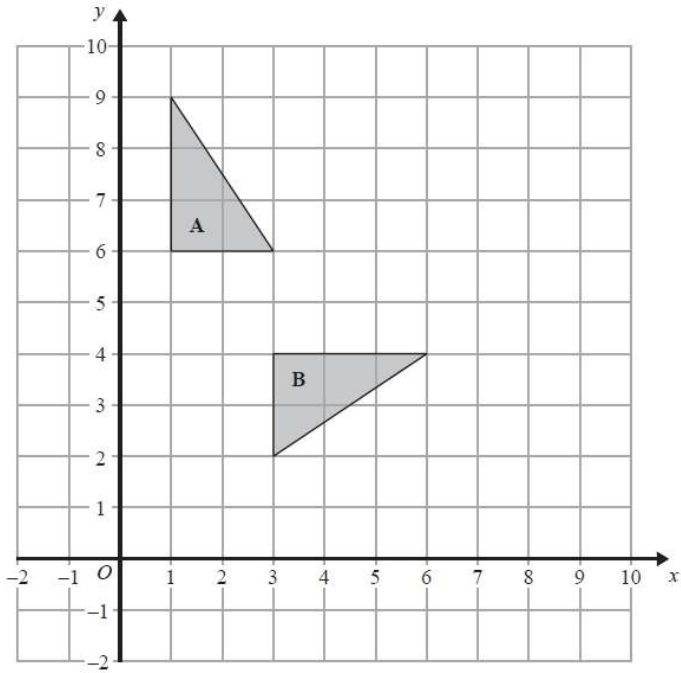
.....

.....

.....

(Total for question = 3 marks)

**Q9. NON-CALCULATOR**

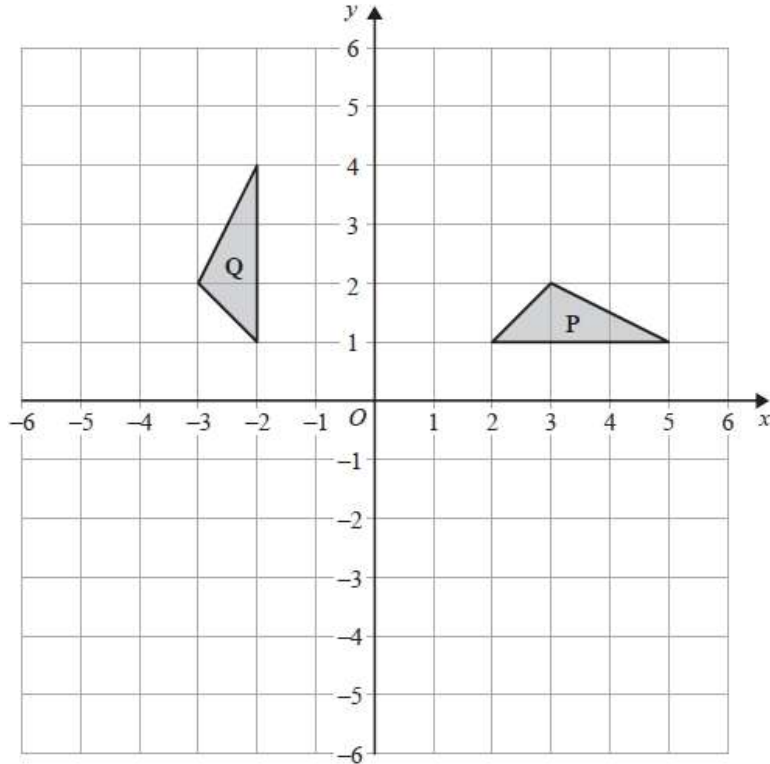


Describe fully the single transformation that maps triangle **A** onto triangle **B**.

.....  
 .....

(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)