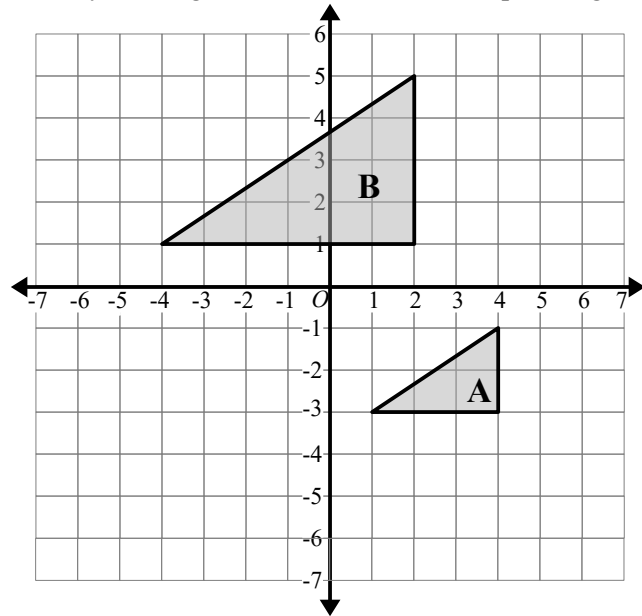
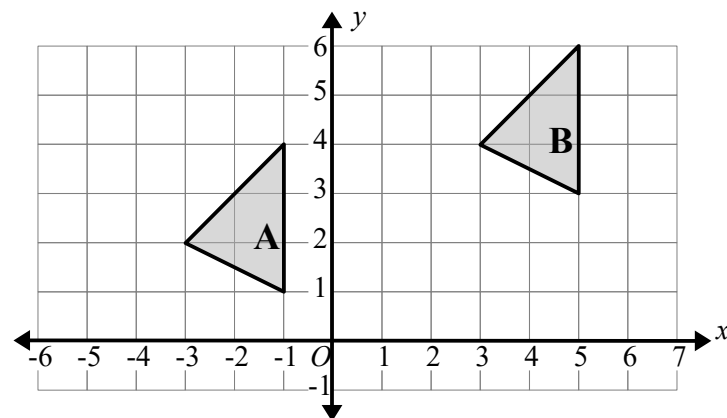


- 1 Describe fully the single transformation that maps triangle A on triangle B.



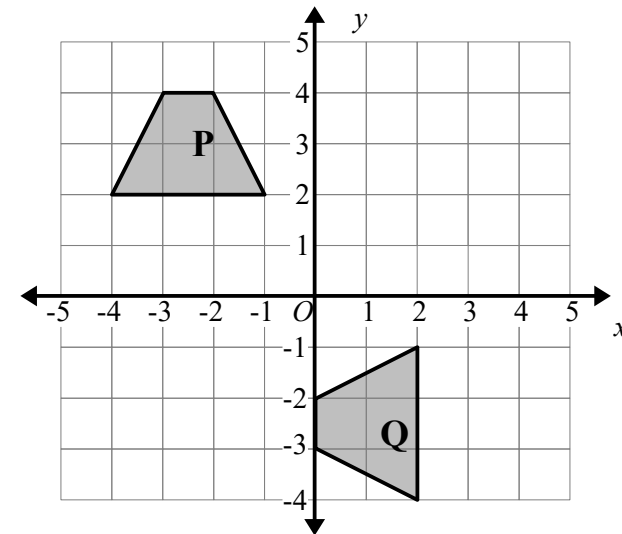
(Total for question 1 is 2 marks)

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



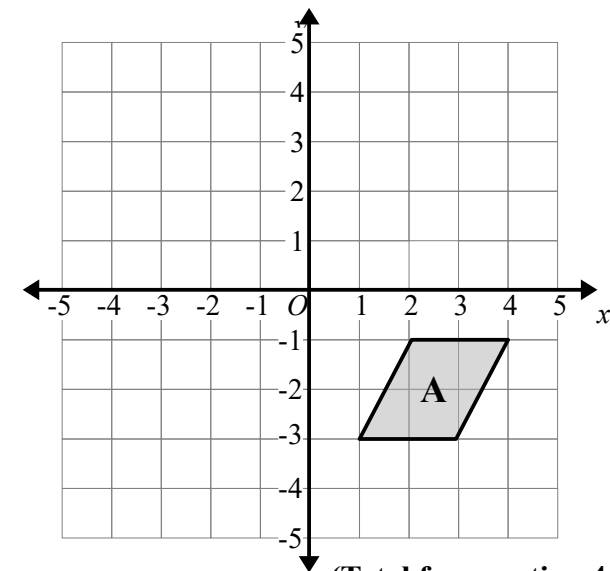
(Total for question 2 is 2 marks)

- 3 Describe fully the single transformation that maps trapezium P on trapezium Q.



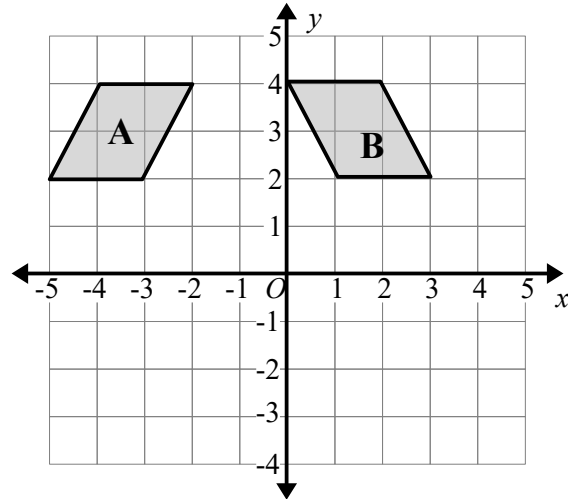
(Total for question 3 is 2 marks)

- 4 Reflect shape A in the line with equation $y = x$



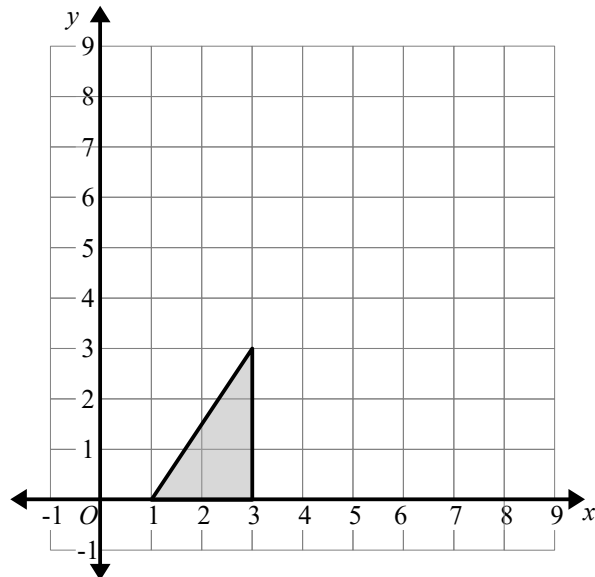
(Total for question 4 is 2 marks)

5 Describe fully the single transformation that maps shape A onto shape B.



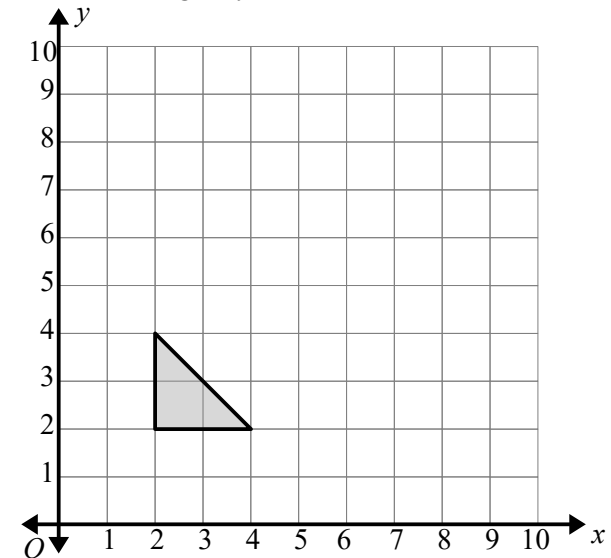
(Total for question 5 is 2 marks)

6 Enlarge the shaded triangle by scale factor 3, centre O



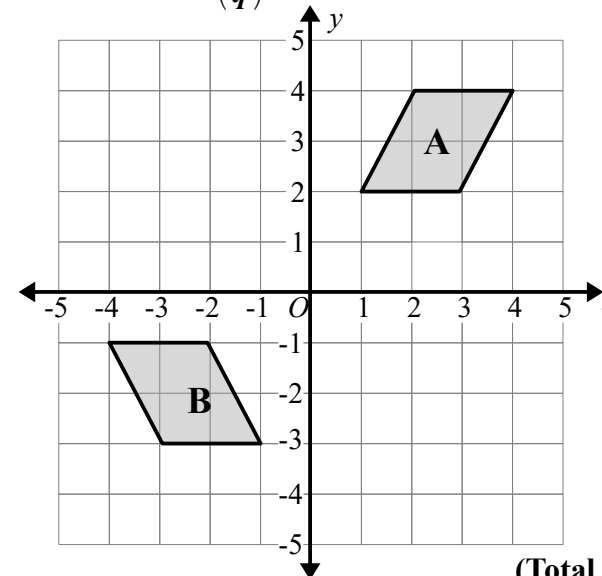
(Total for question 6 is 2 marks)

7 Enlarge the shaded triangle by scale factor 2.5, centre O .



(Total for question 7 is 2 marks)

8 Shape A is transformed to shape B by a reflection in the x axis followed by a translation $\begin{pmatrix} p \\ q \end{pmatrix}$. Find the value of p and the value of q .

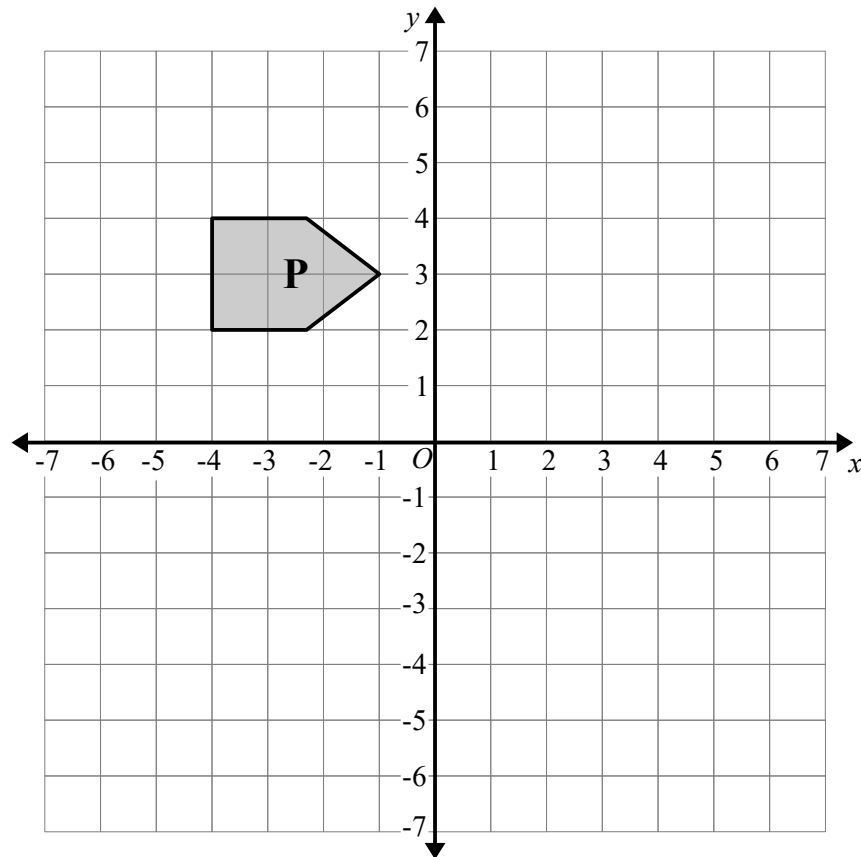


$p =$

$q =$

(Total for question 8 is 3 marks)

9



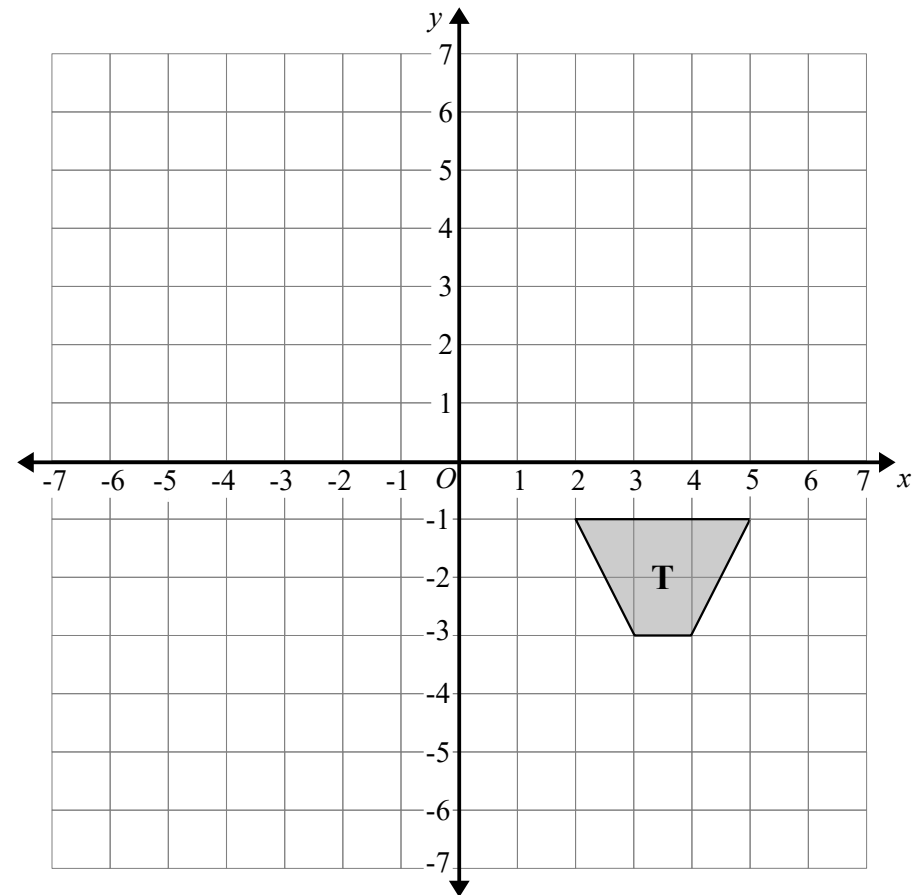
(a) Reflect shape **P** in the line $x = 1$.
Label the new shape **A**.

(b) Translate shape **P** by the vector $\begin{pmatrix} 5 \\ -6 \end{pmatrix}$.
Label the new shape **B**.

(c) Rotate shape **P** by 90° anticlockwise, centre O .
Label the new shape **C**.

(Total for question 9 is 3 marks)

10



(a) Rotate trapezium **T** 180° about the origin.
Label the new trapezium **A**.

(b) Translate trapezium **T** by the vector $\begin{pmatrix} -1 \\ -3 \end{pmatrix}$.
Label the new trapezium **B**.

(Total for question 10 is 2 marks)