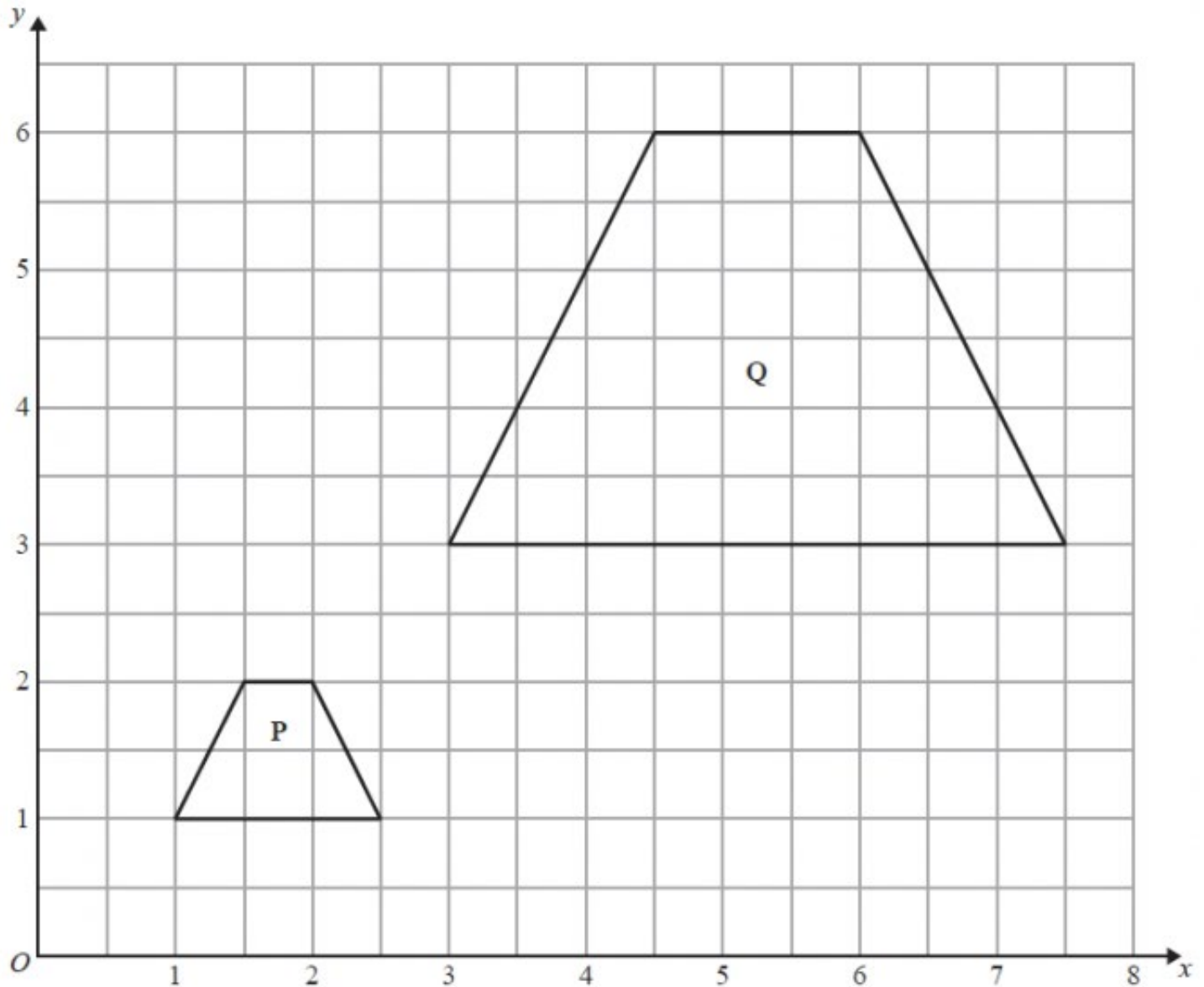


Enlargement (Positive Scale Factors)

- GCSE Exam Questions

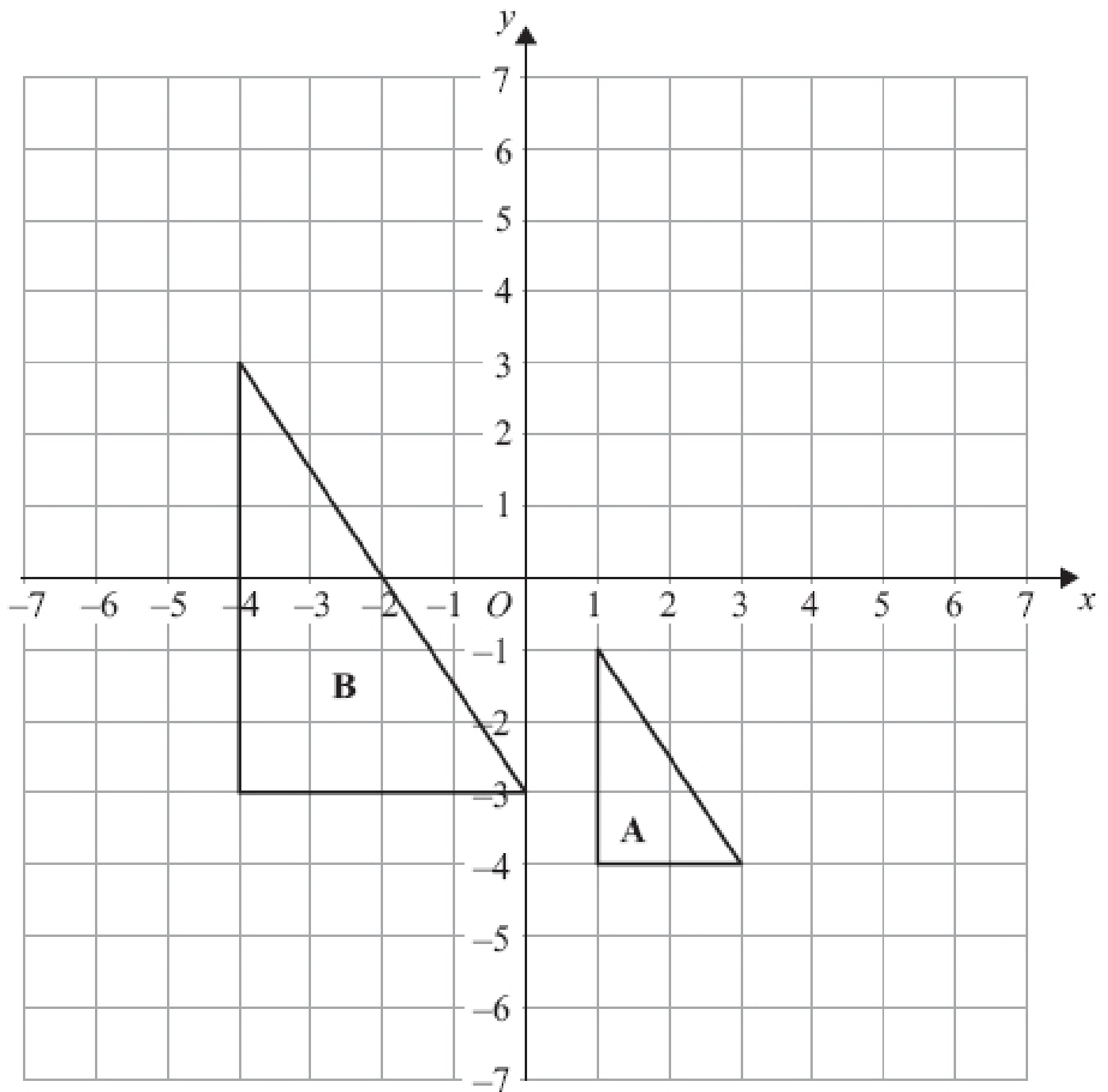
Q1.



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

(Total for Question is 3 marks)

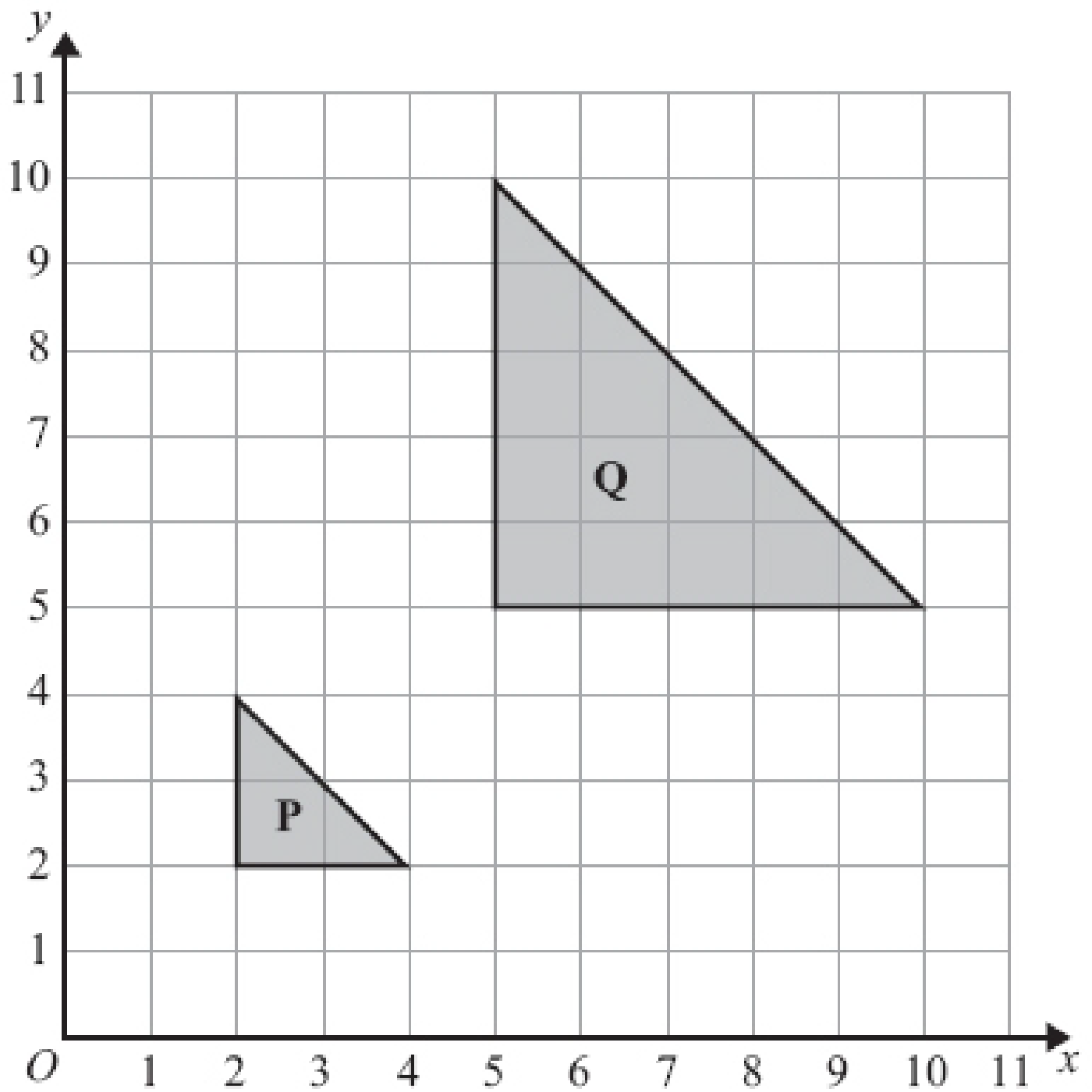
Q2.



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

(Total for Question is 3 marks)

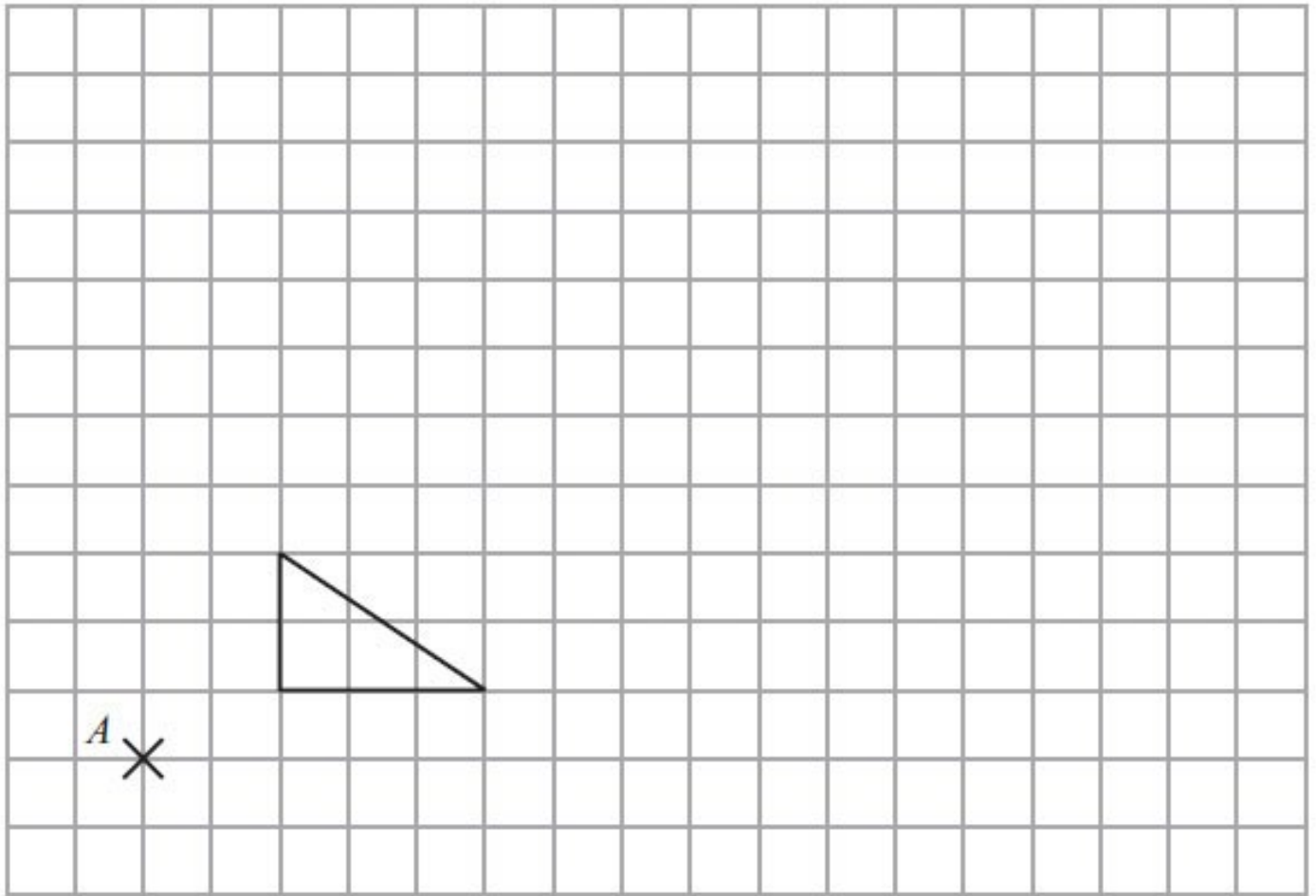
Q3.



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

(Total for Question is 3 marks)

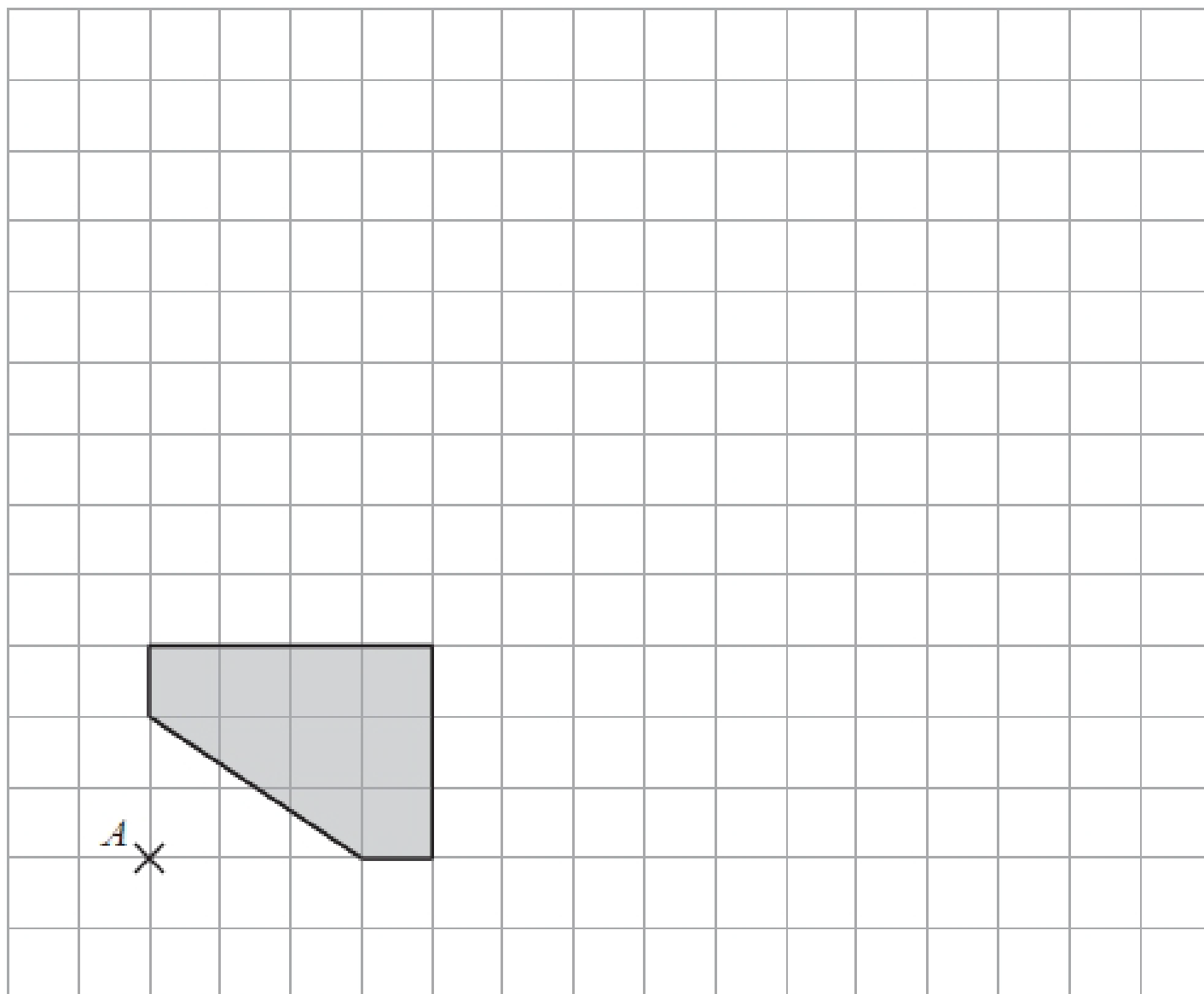
Q4.



On the grid, enlarge the shape with scale factor 3, centre A.

(Total for Question is 3 marks)

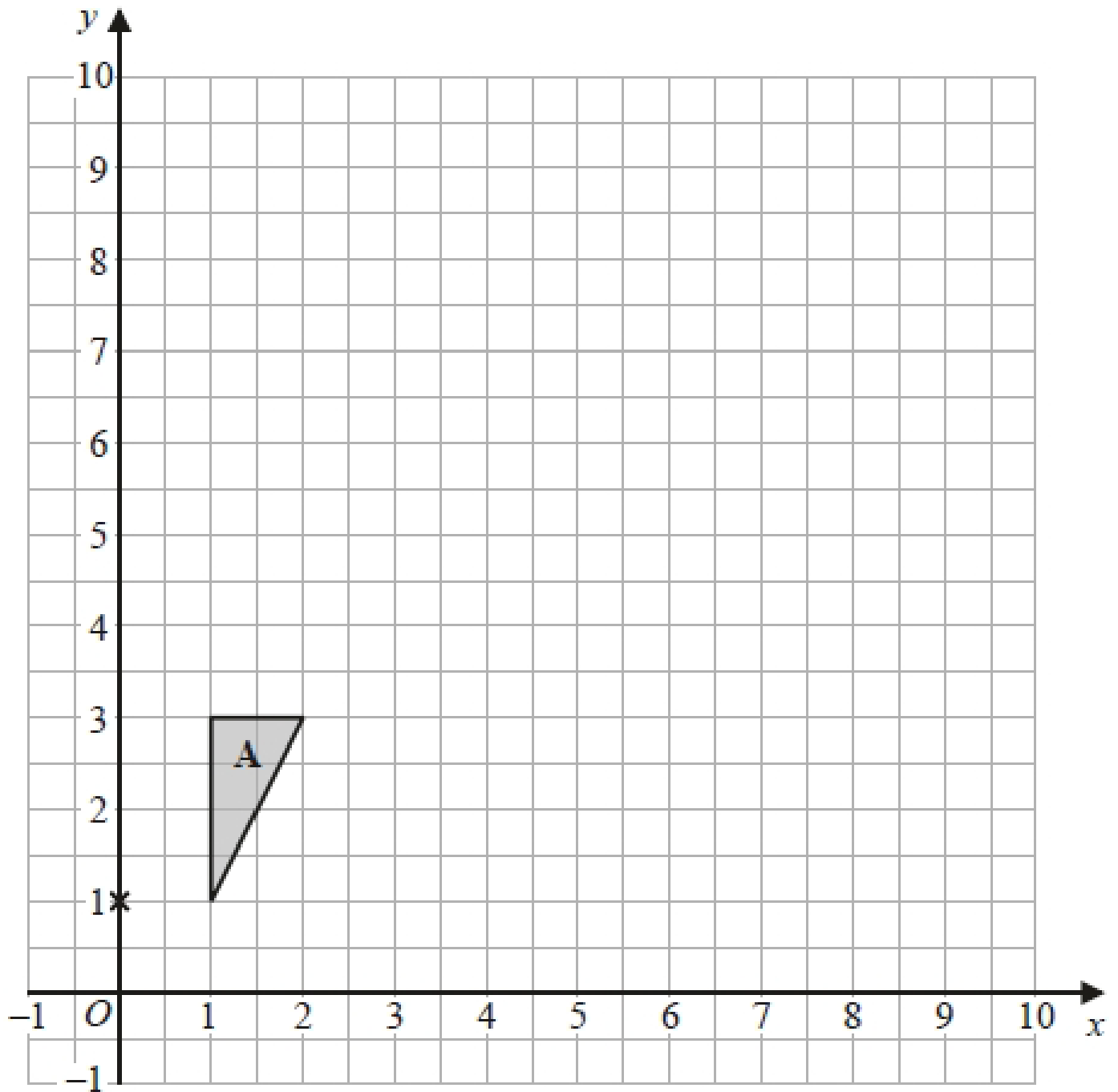
Q5.



On the grid, enlarge the shape by scale factor 3, centre *A*.

(Total for question = 3 marks)

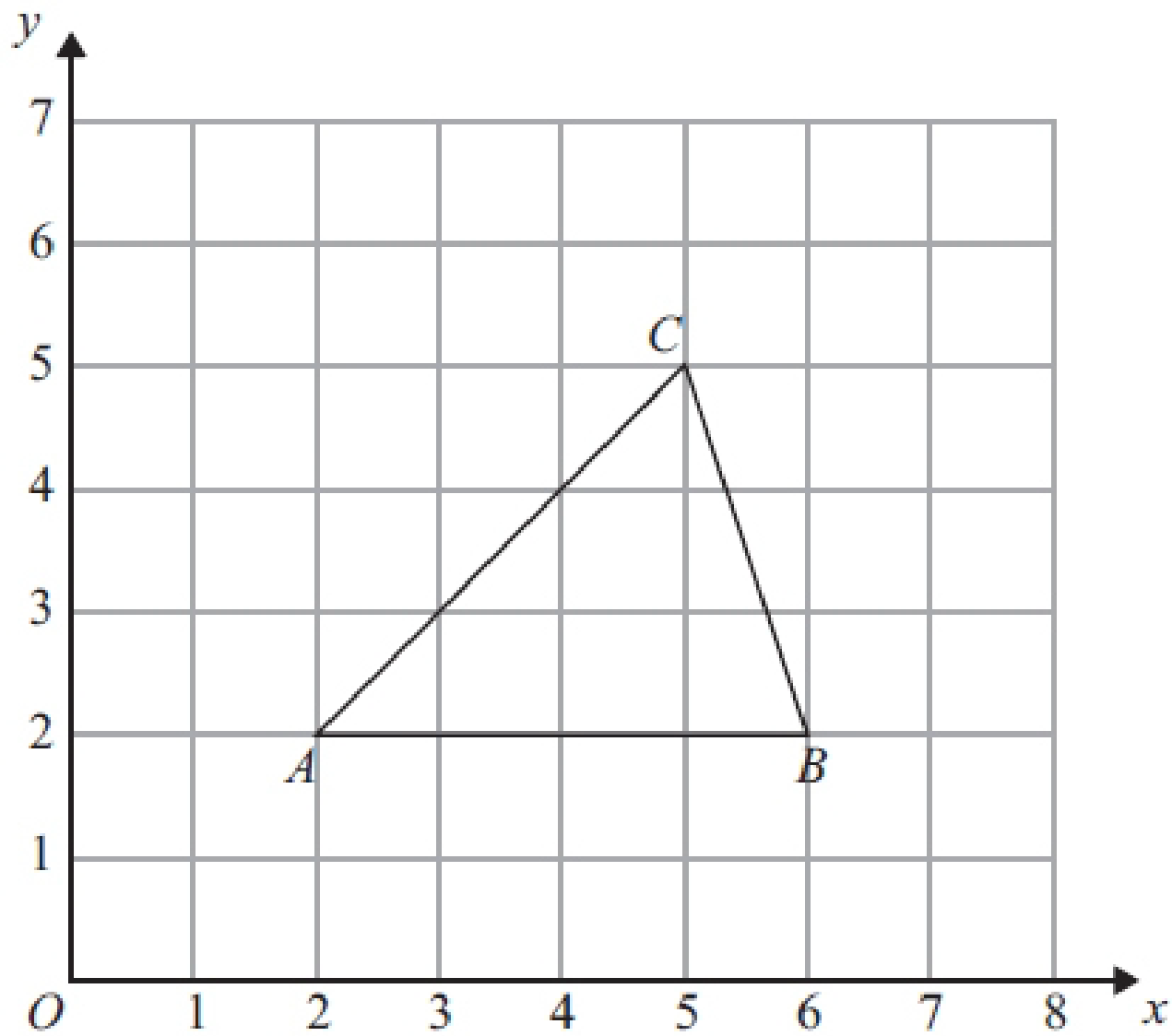
Q6.



Enlarge triangle **A** by scale factor 2.5 with centre $(0, 1)$

(Total for question = 2 marks)

Q7.



Triangle ABC is drawn on a centimetre grid.
 A is the point $(2, 2)$.
 B is the point $(6, 2)$.
 C is the point $(5, 5)$.

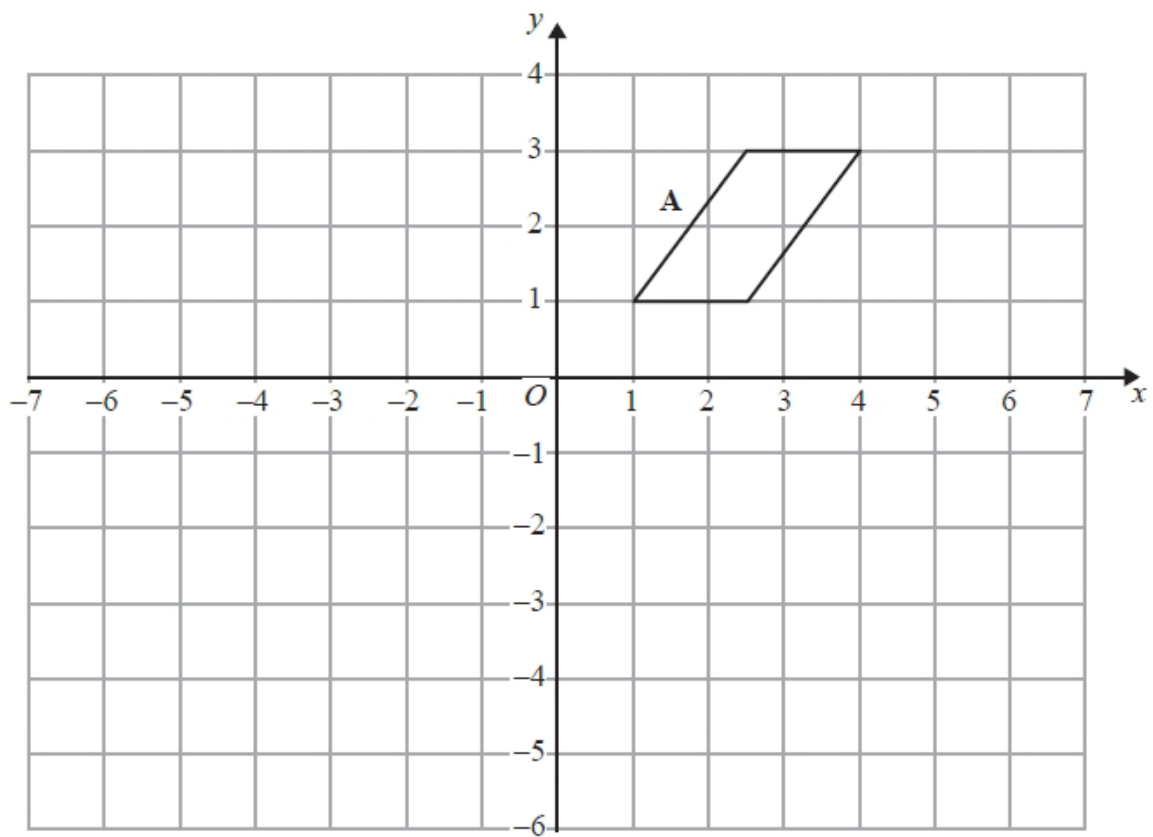
Triangle PQR is an enlargement of triangle ABC with scale factor $\frac{1}{2}$ and centre $(0, 0)$.

Work out the area of triangle PQR .

..... cm^2

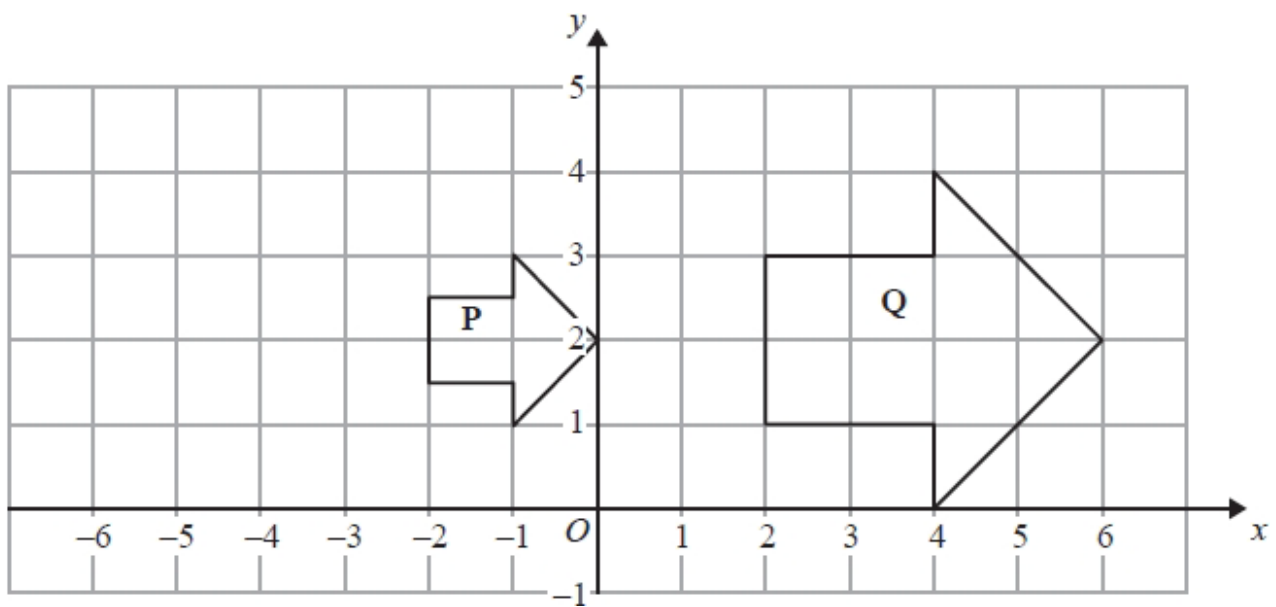
(Total for Question is 3 marks)

Q8.



(a) Reflect shape **A** in the line $x = -1$

(2)

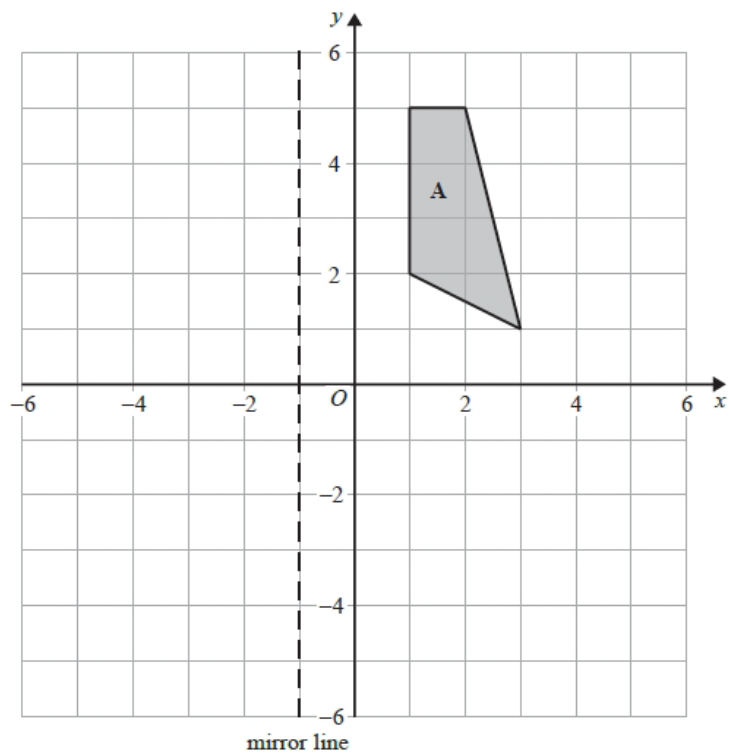


(b) Describe fully the single transformation that maps shape **P** onto shape **Q**.

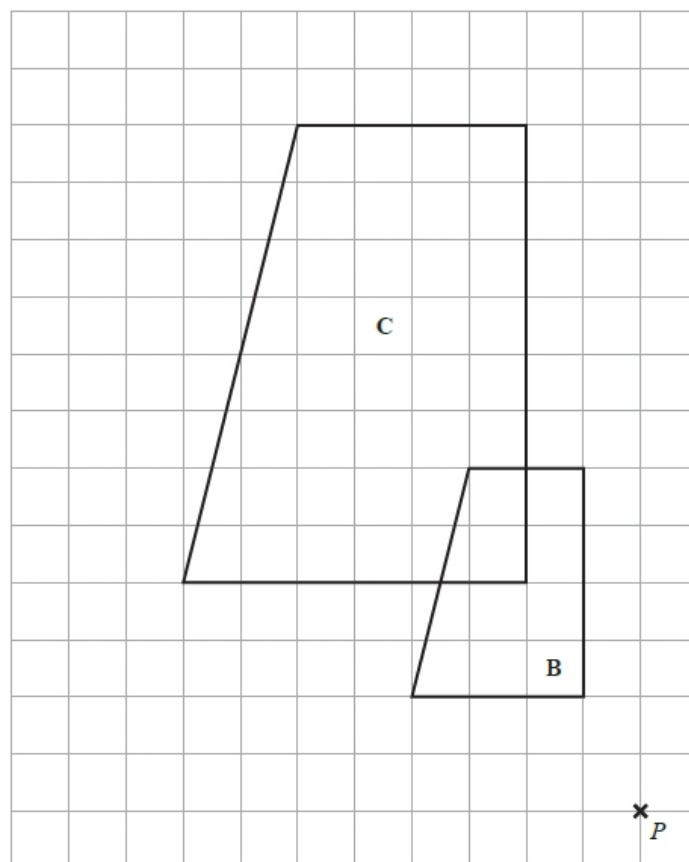
(Total for question = 5 marks)

Q9.

(a) On the grid, reflect shape **A** in the mirror line.



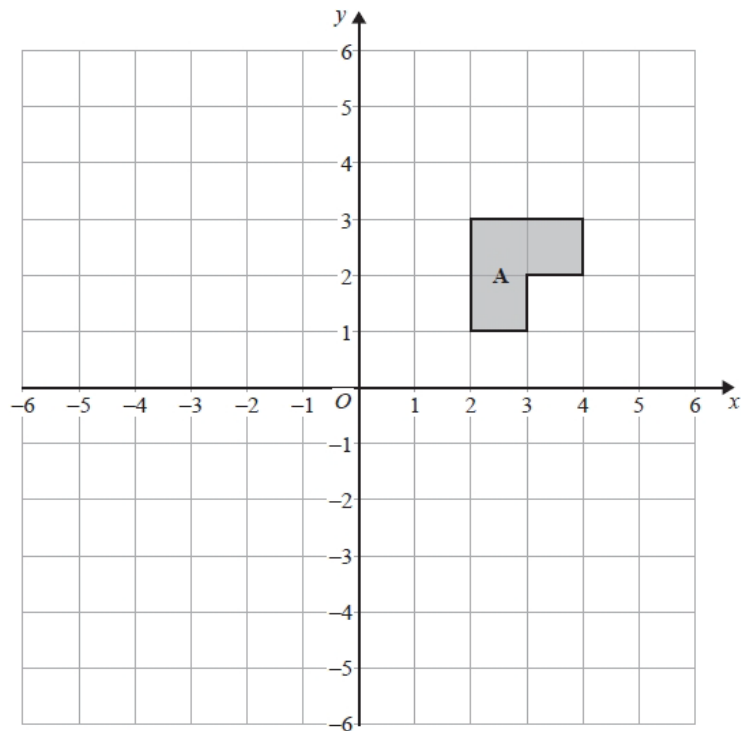
(b)



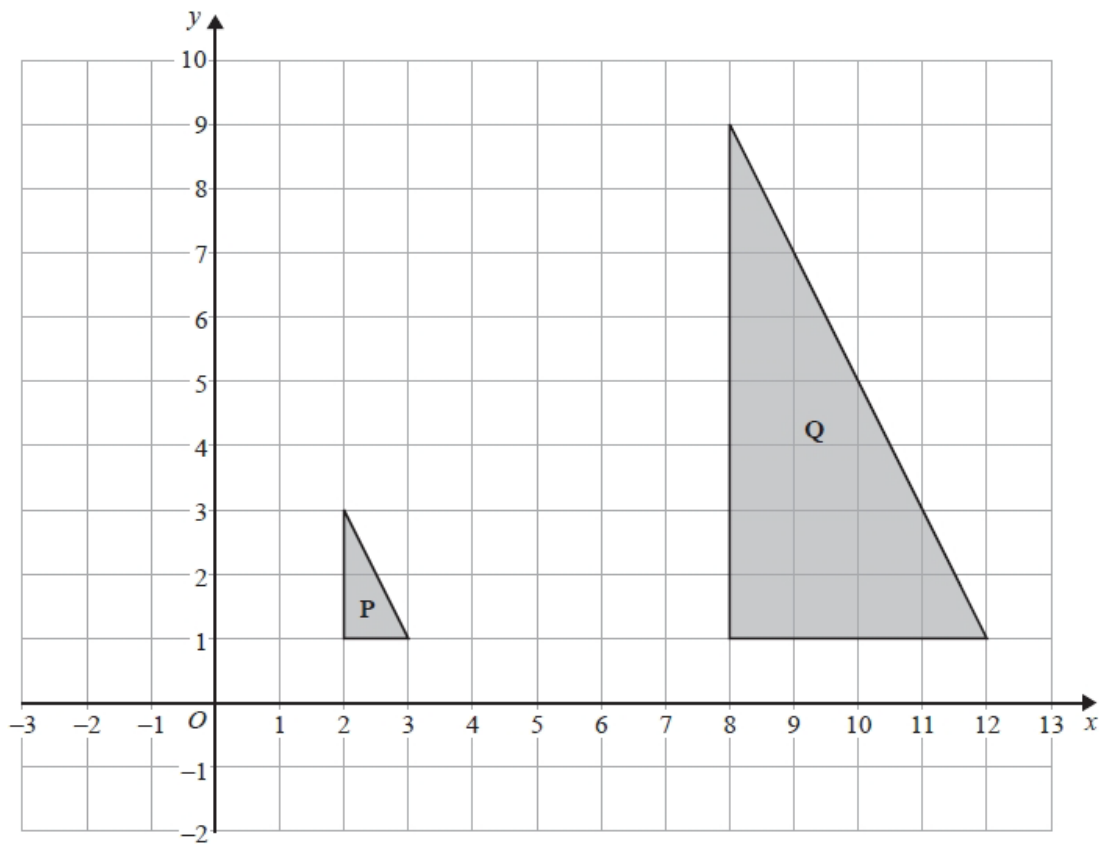
Describe fully the single transformation that maps trapezium **B** onto trapezium **C**.

(Total for question = 4 marks)

Q10.



(a) Rotate shape **A** 180° about the point $(0, 0)$.



(b) Describe fully the single transformation which maps triangle **P** onto triangle **Q**.

(Total for question = 5 marks)