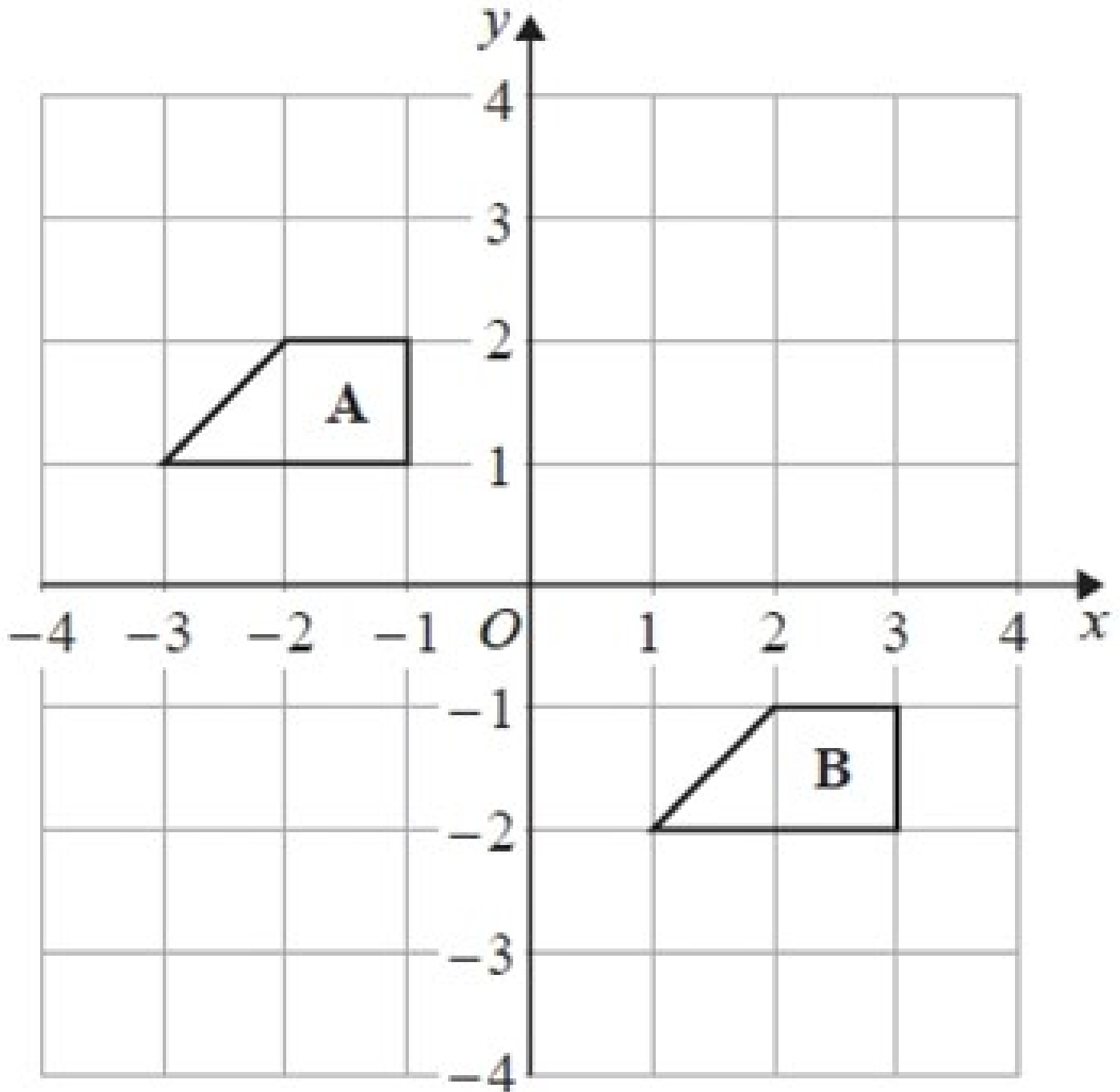


Translations – GCSE Exam Questions

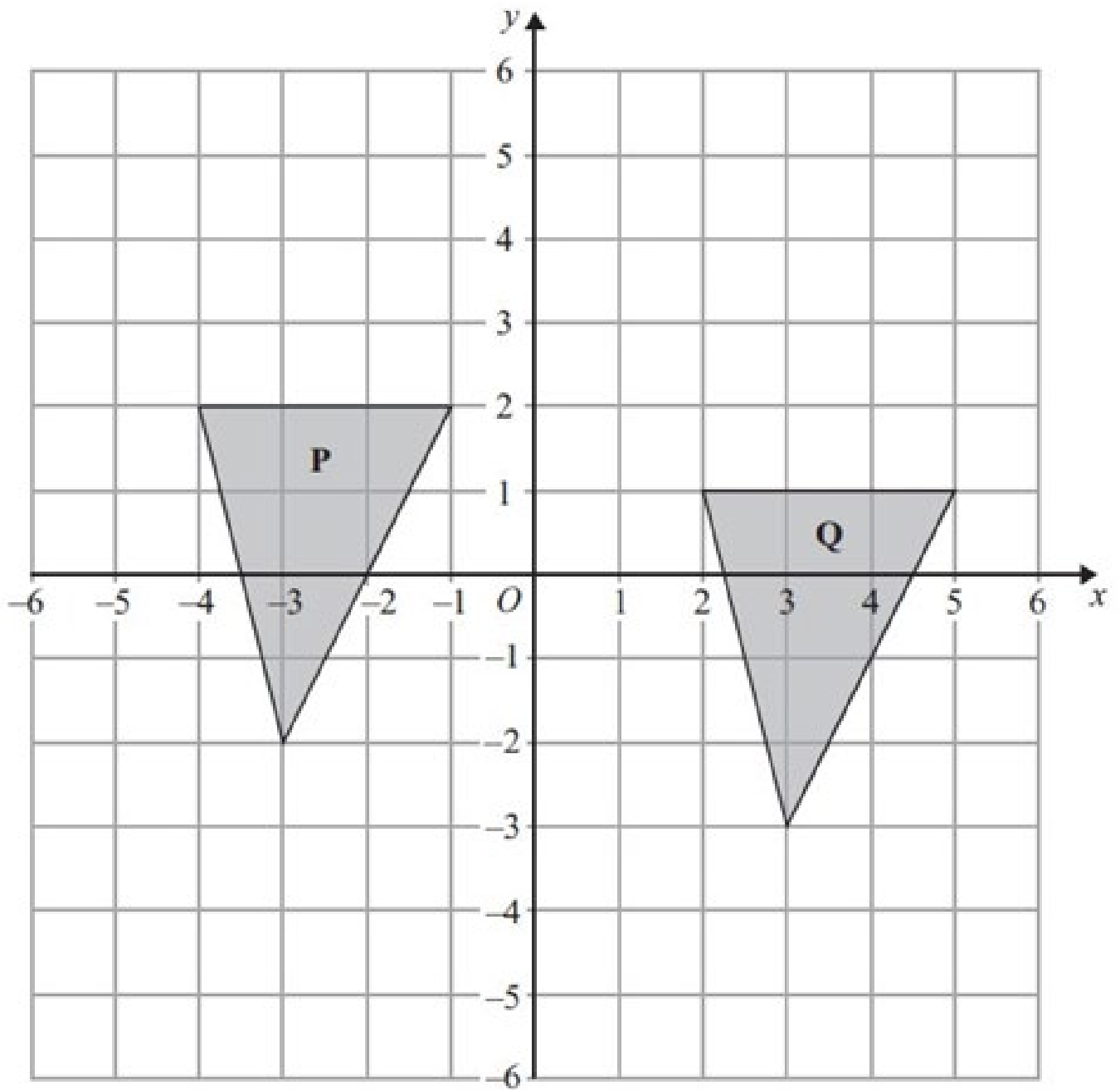
Q1.



Describe the single transformation that maps shape **A** onto shape **B**.

(Total for question = 2 marks)

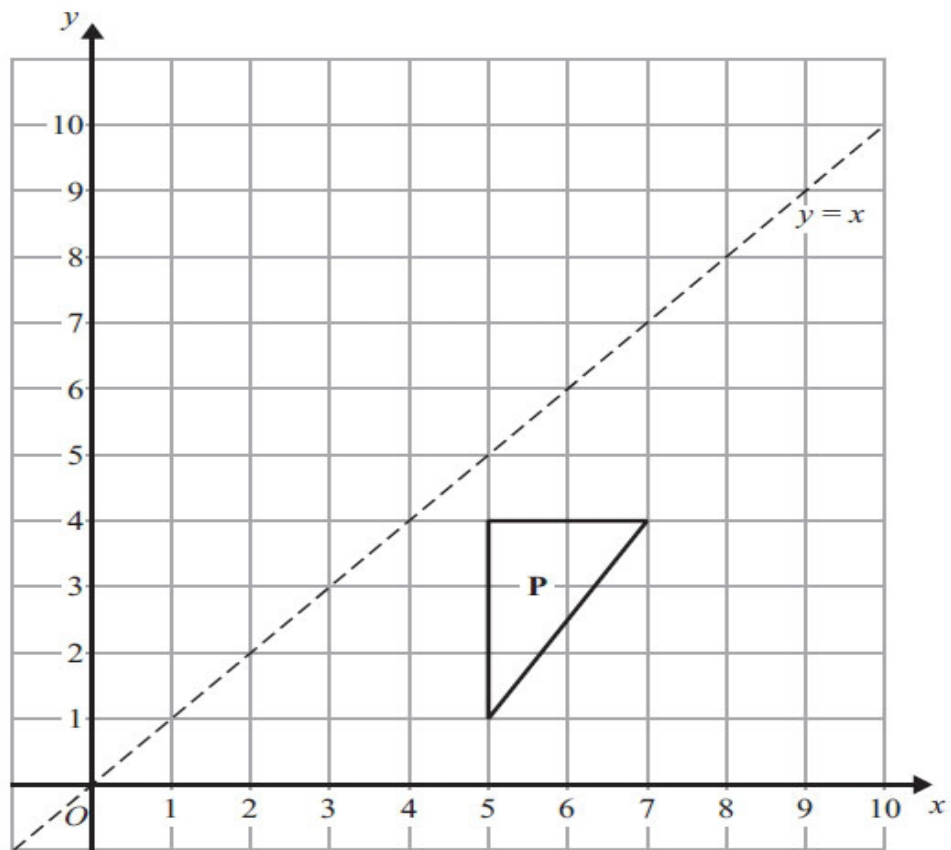
Q3.



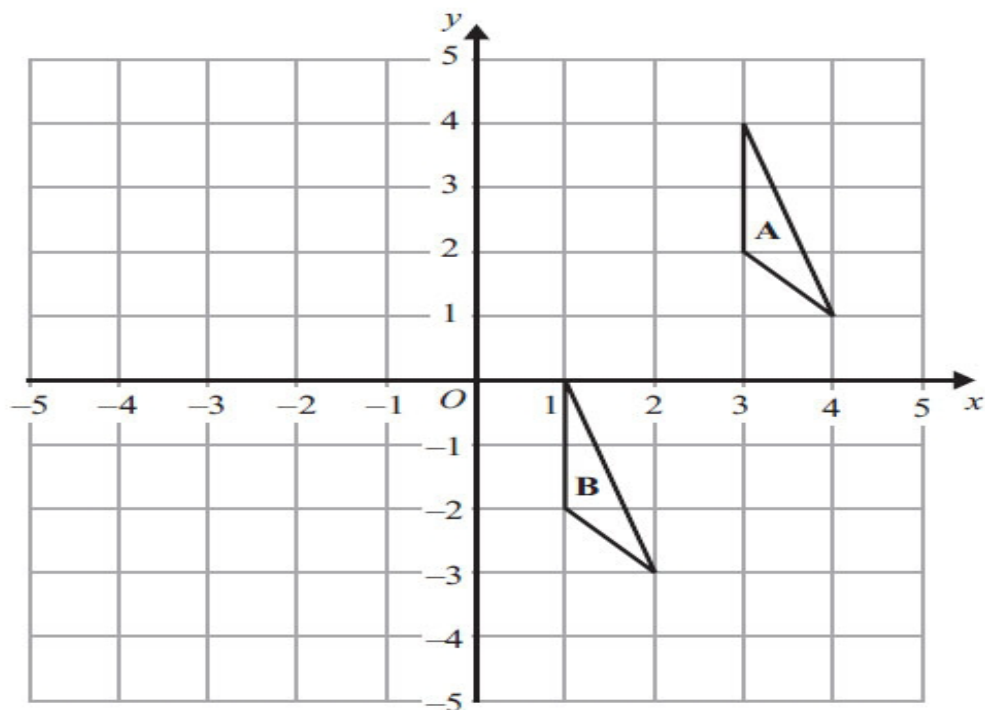
Describe fully the single transformation that maps triangle **P** onto triangle **Q**.

(Total for Question is 2 marks)

Q4.



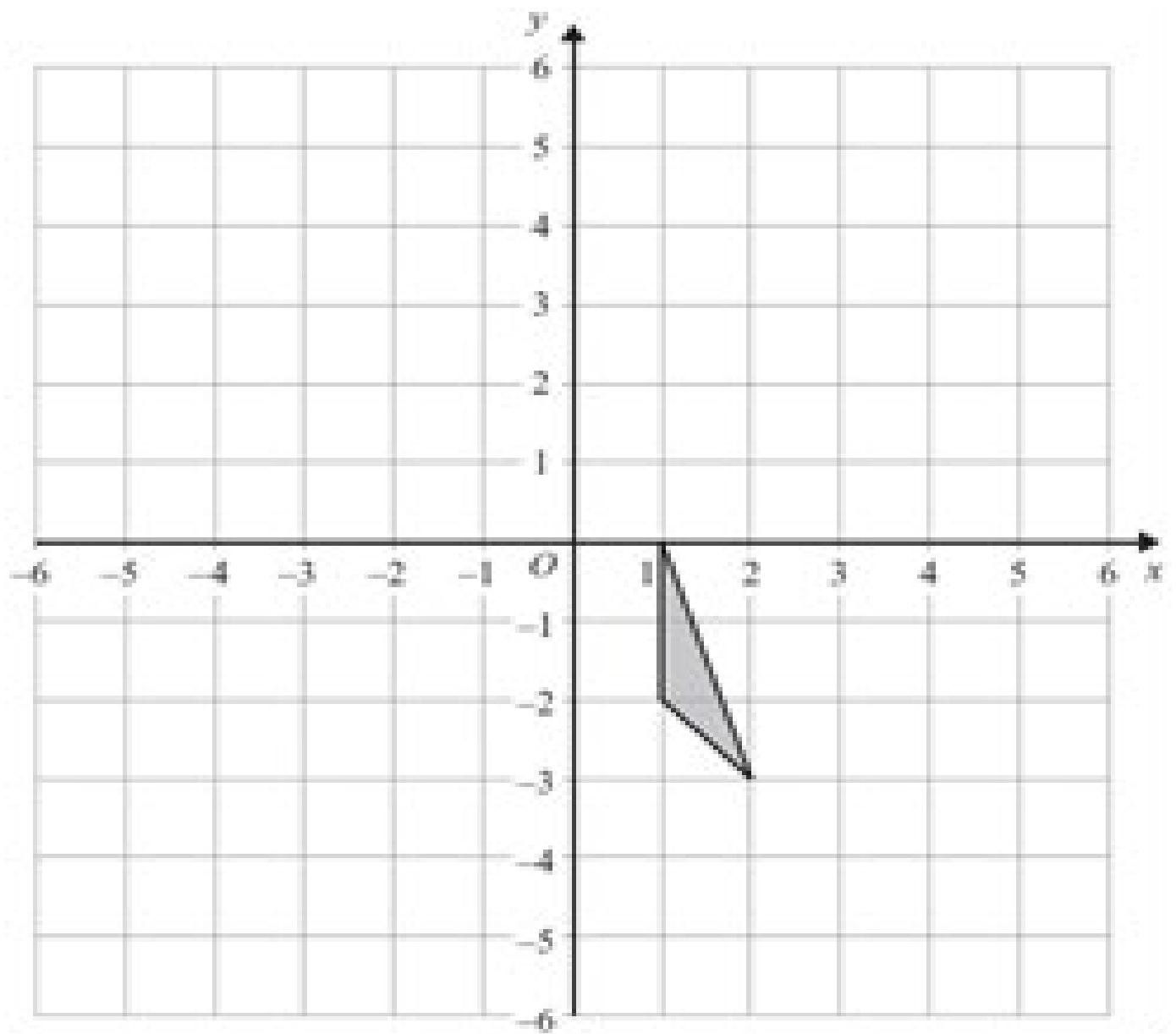
Reflect shape **P** in the line $y = x$



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

(Total for Question is 4 marks)

Q5.

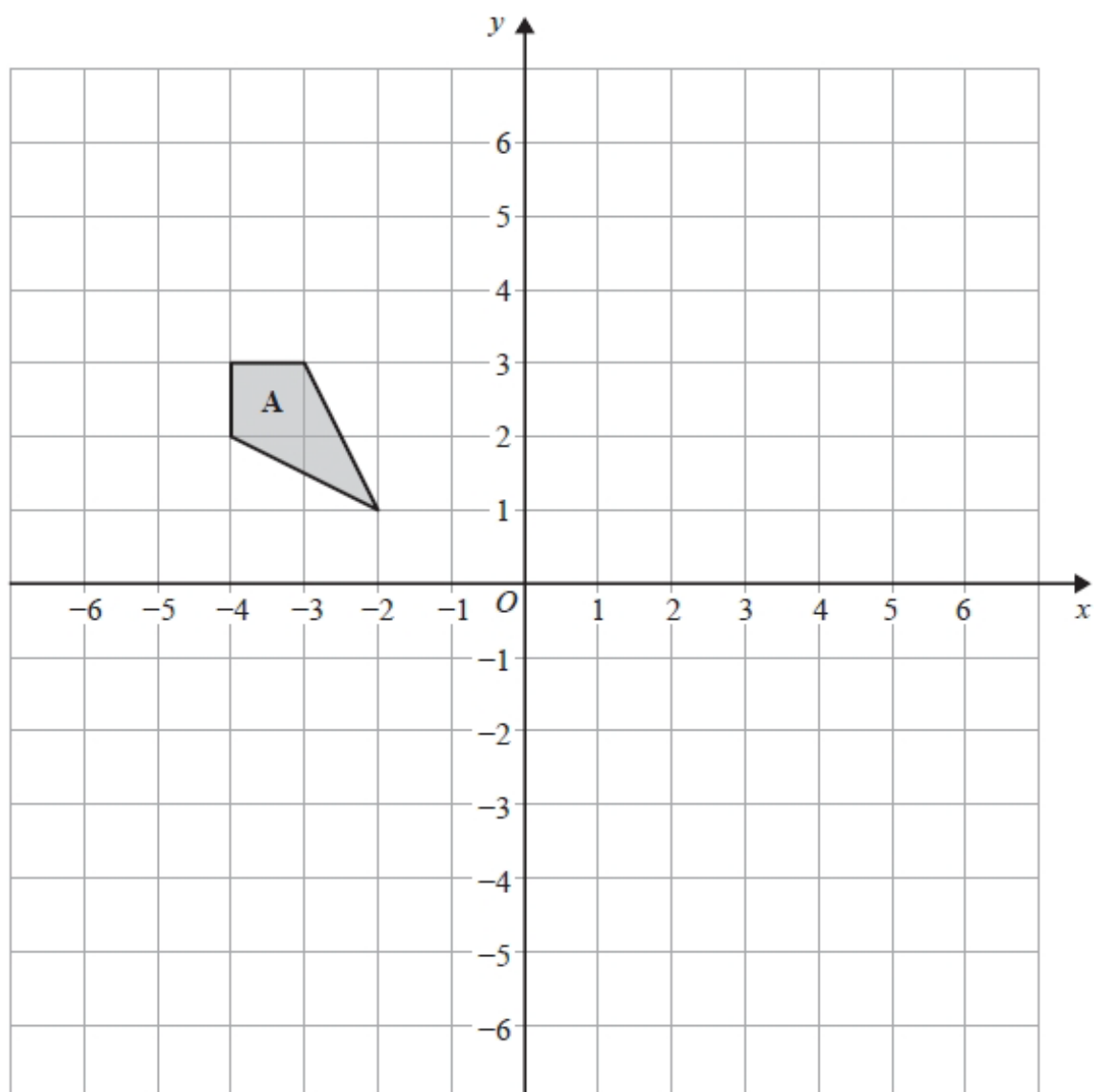


Translate the triangle by

$$\begin{pmatrix} -3 \\ 2 \end{pmatrix}.$$

(Total for Question is 2 marks)

Q6.



(a) On the grid, translate shape **A** by the vector $\begin{pmatrix} 6 \\ -5 \end{pmatrix}$
Label the new shape **B**.

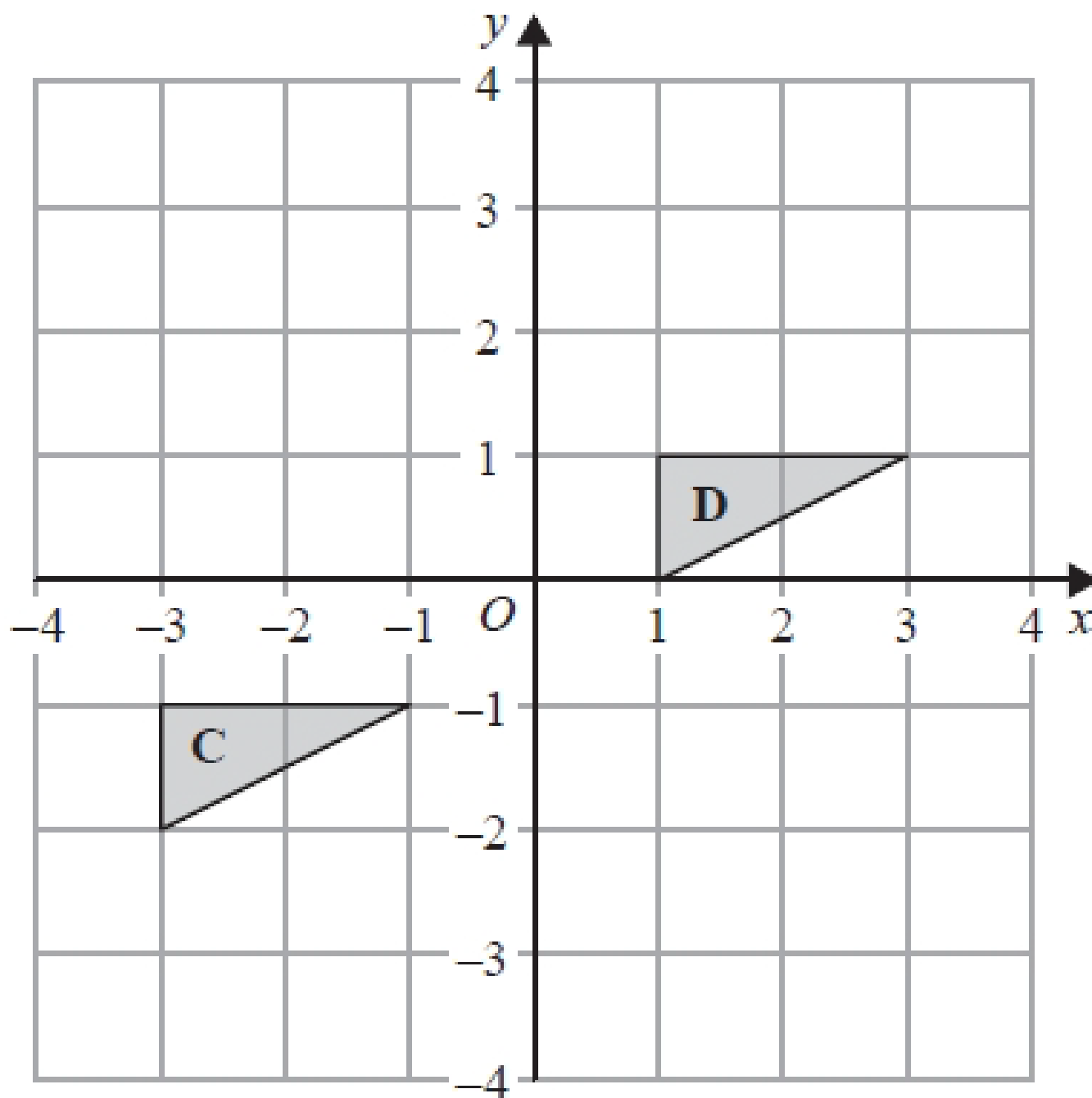
(b) On the grid, translate shape **B** by the vector $\begin{pmatrix} -8 \\ 8 \end{pmatrix}$
Label the new shape **C**.

(c) Write down the column vector for the translation that maps
shape **A** onto shape **C**.

$\begin{pmatrix} \\ \end{pmatrix}$

(Total for question = 3 marks)

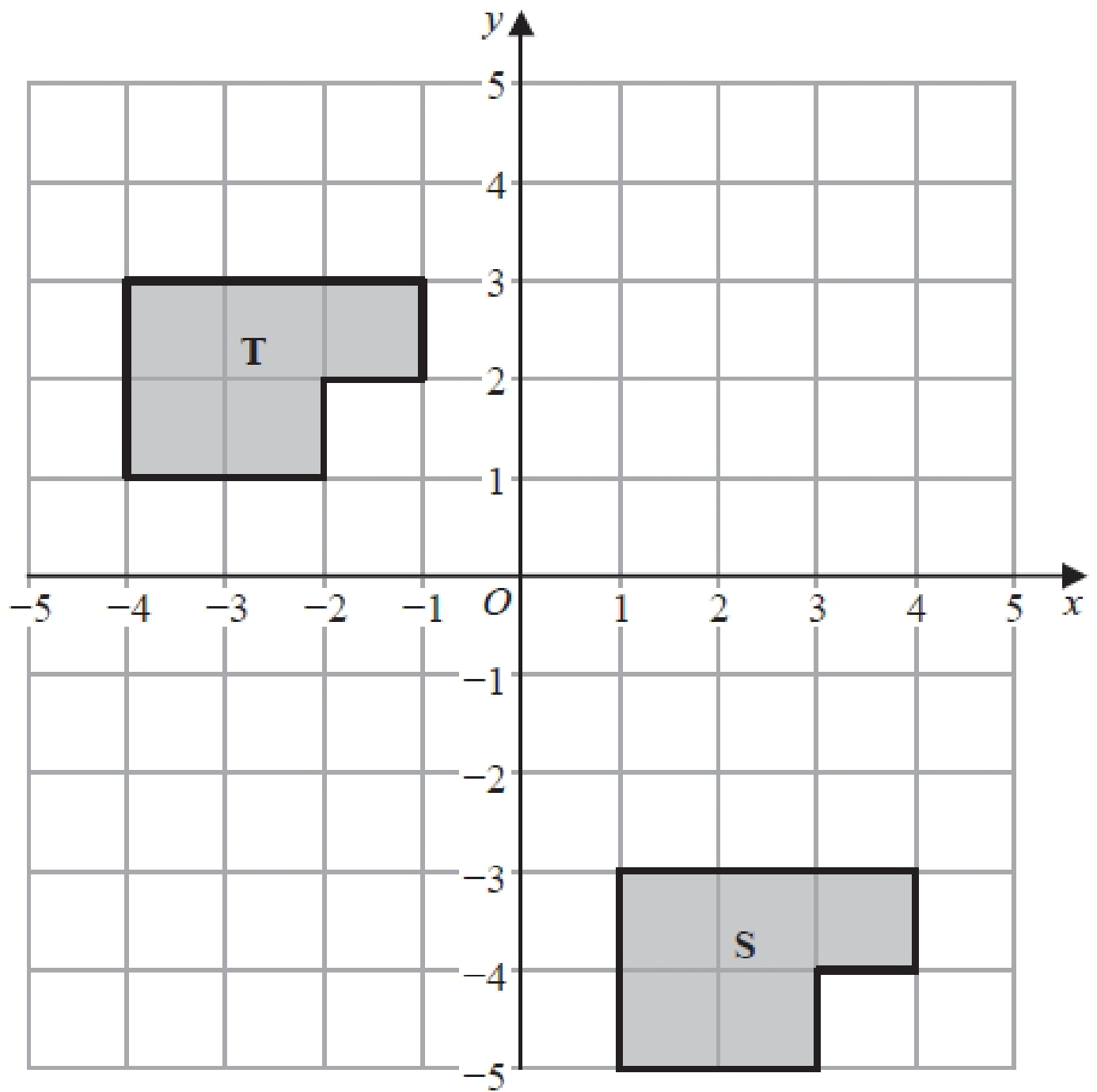
Q7.



Describe fully the single transformation that maps triangle **C** onto triangle **D**.

(Total for question = 2 marks)

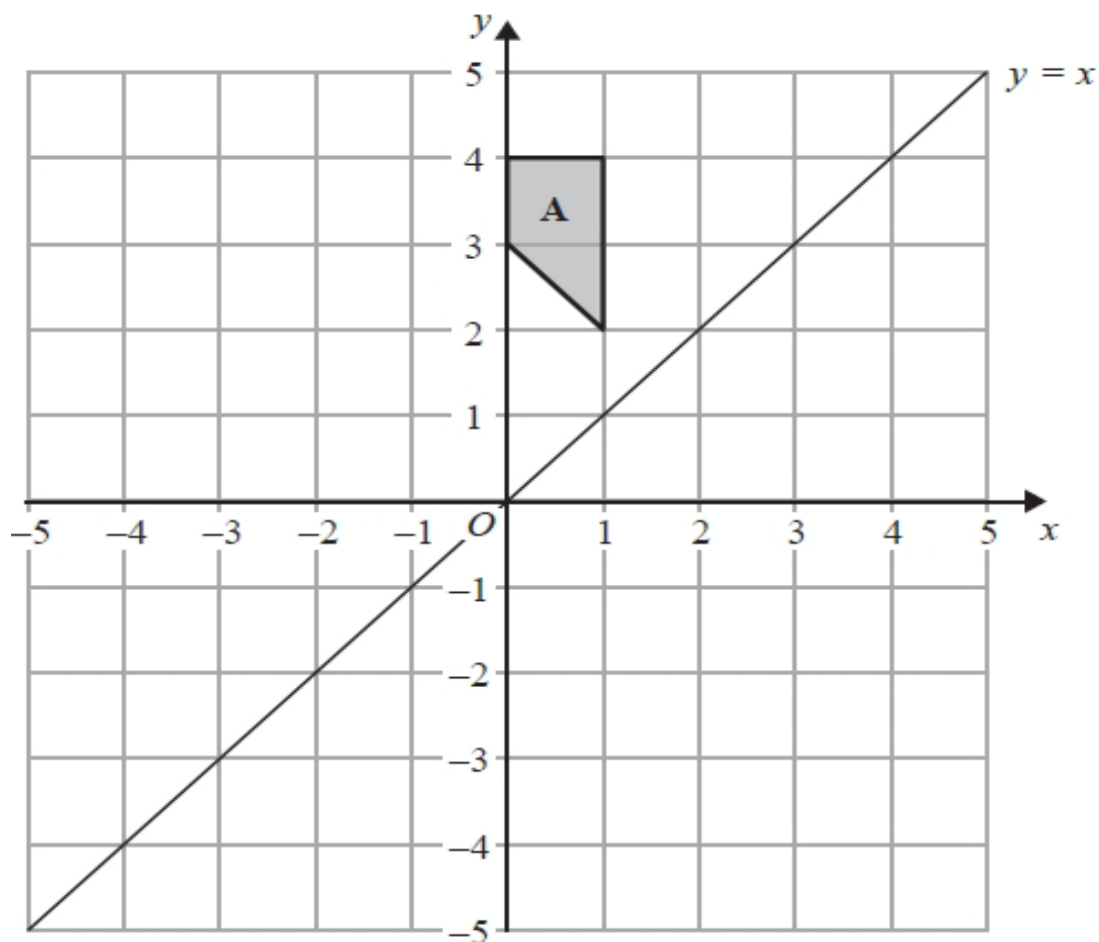
Q8.



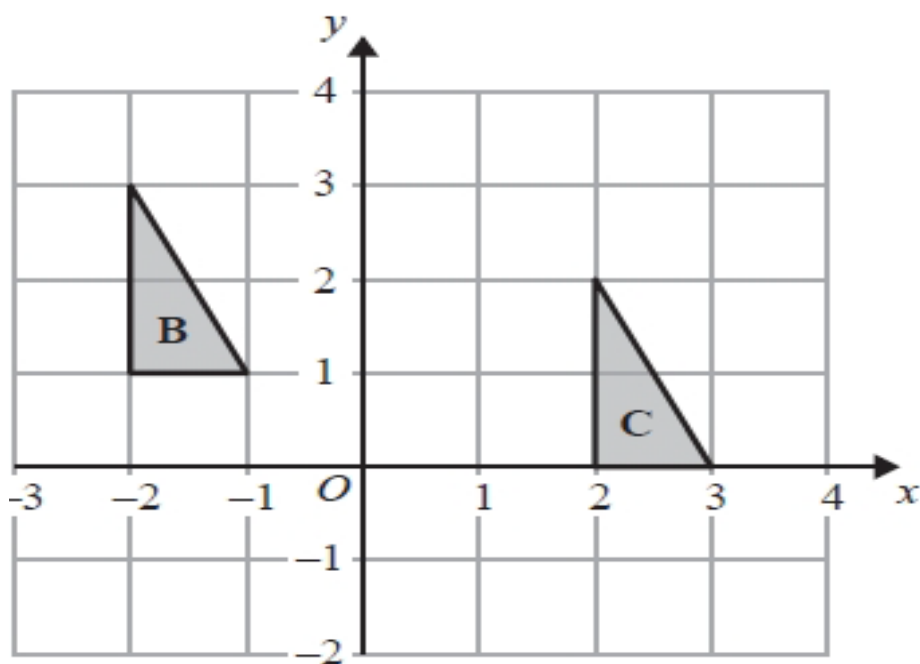
Describe fully the single transformation that maps shape **S** onto shape **T**.

(Total for question = 2 marks)

Q10.



(a) On the grid, reflect shape **A** in the line $y = x$.



(b) Describe fully the single transformation that maps triangle **B** onto triangle **C**.

(Total for question = 4 marks)