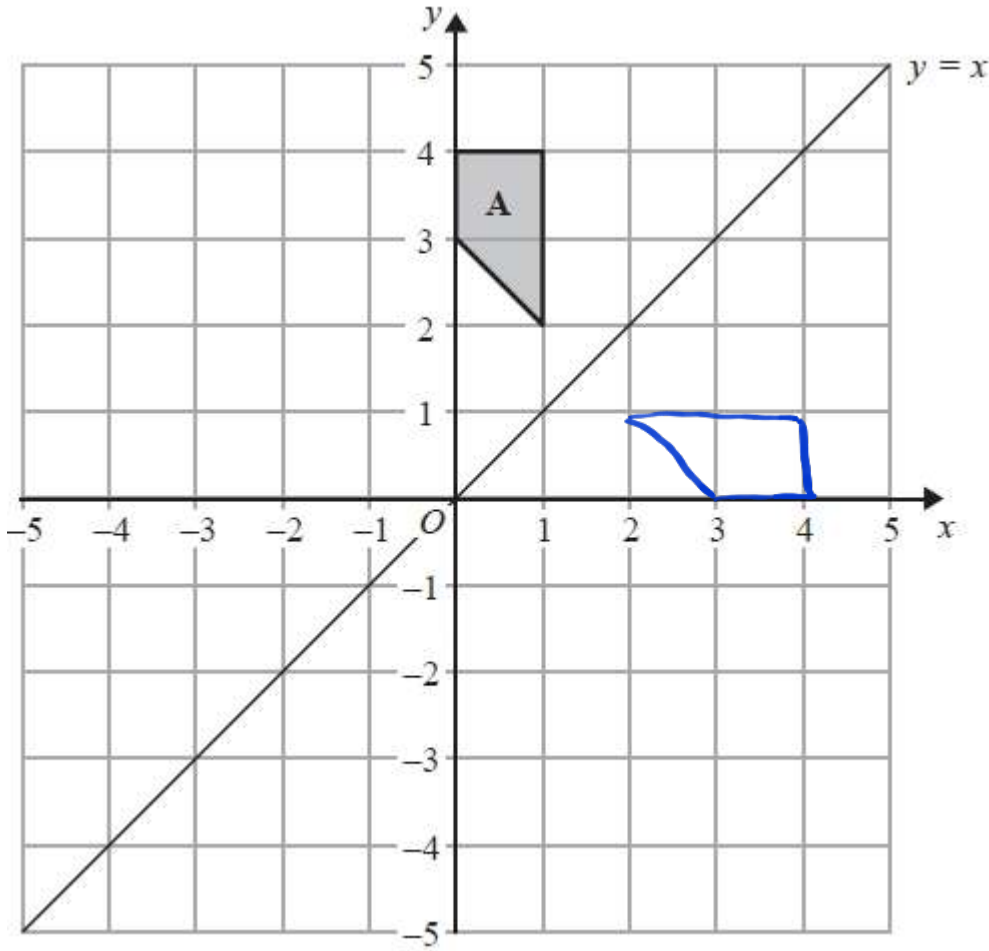


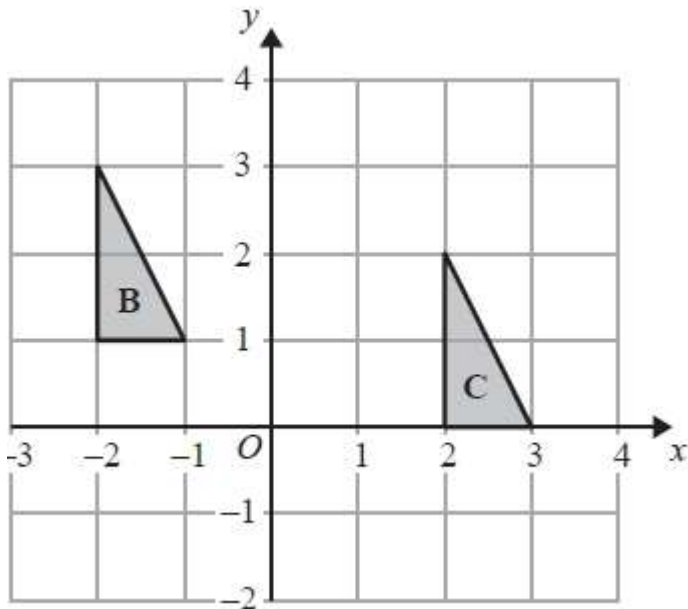
FULL MODEL ANSWERS

Q1. NON-CALCULATOR



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

(2)



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

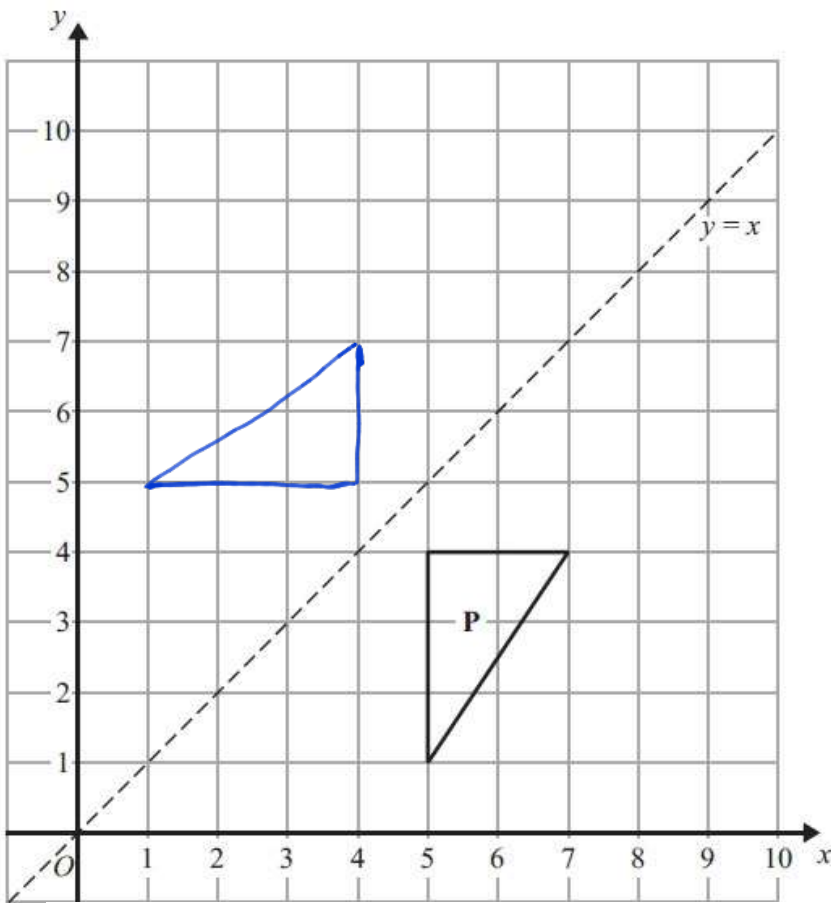
Translation $\begin{pmatrix} 4 \\ -1 \end{pmatrix}$

(2)

(Total for question = 4 marks)

Q2. NON-CALCULATOR

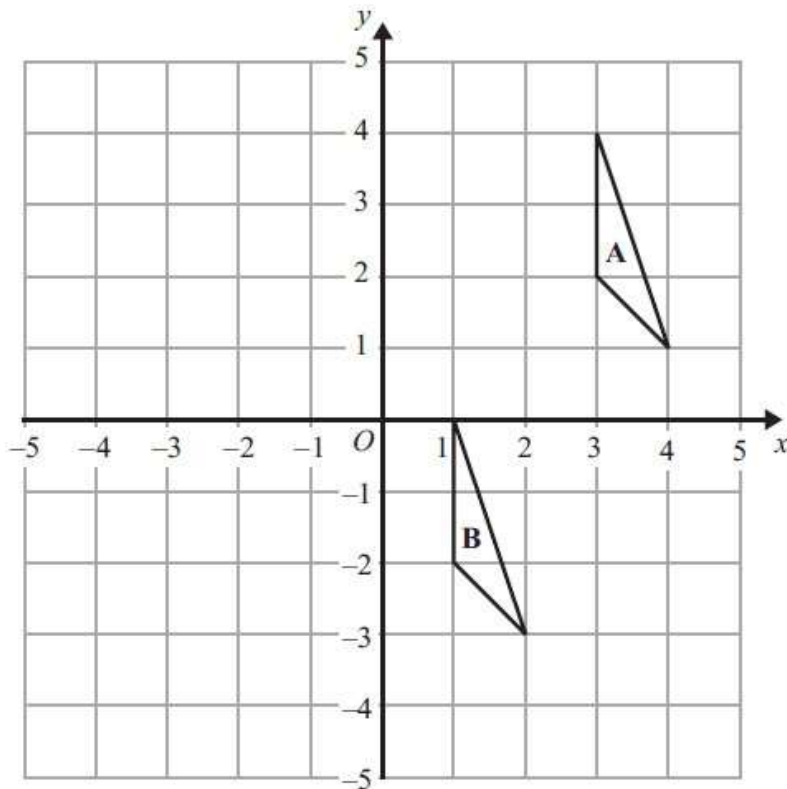
(a)



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

(2)

(b)



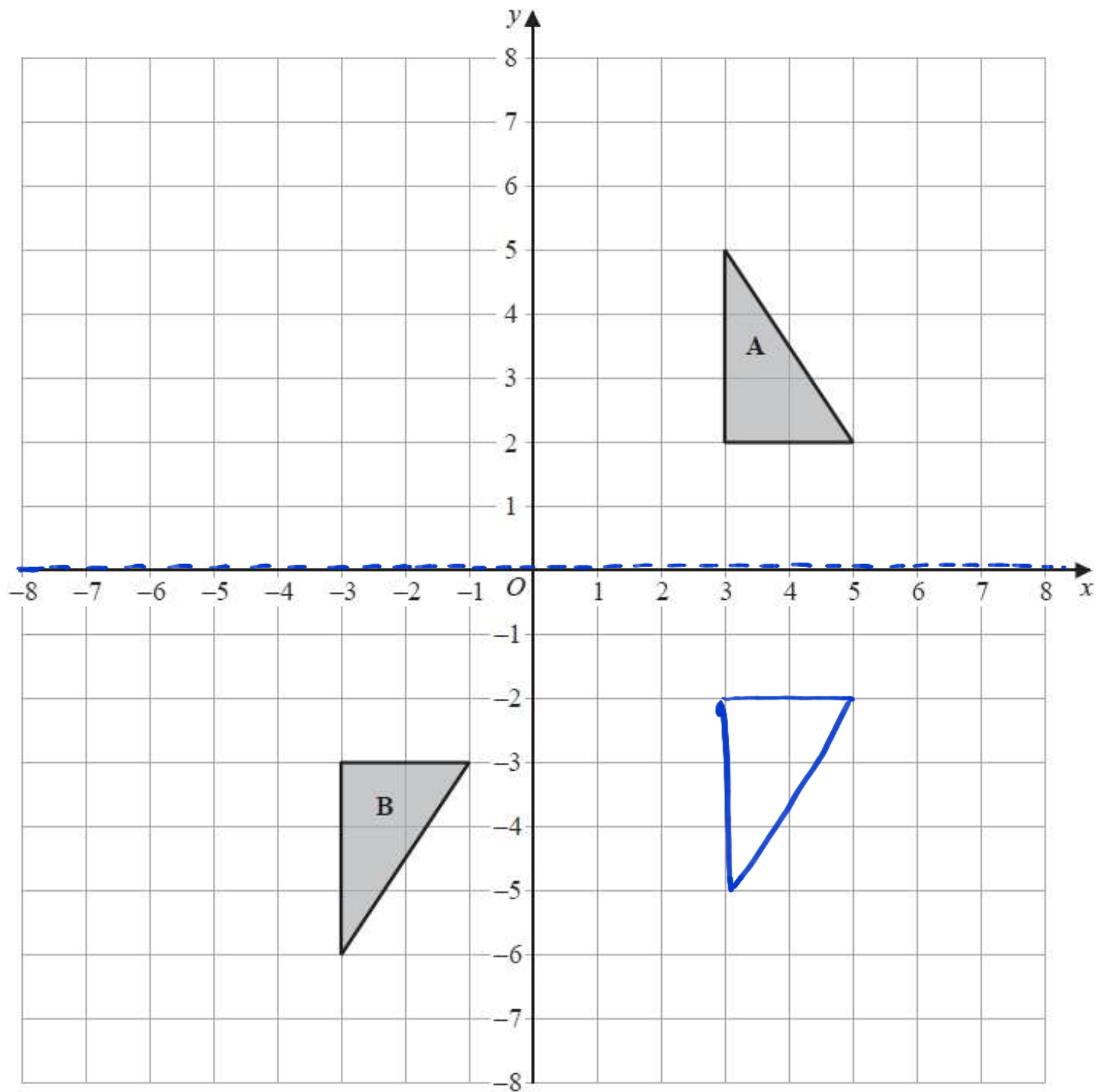
Describe fully the single transformation that maps triangle **A** onto triangle **B**.

Translation $(-2, -4)$

(2)

(Total for Question is 4 marks)

Q3. NON-CALCULATOR



Shape **A** can be transformed to shape **B** by a reflection in the x -axis followed by a translation $\begin{pmatrix} c \\ d \end{pmatrix}$
 Find the value of c and the value of d .

$c = \dots -6 \dots$
 $d = \dots -1 \dots$

(Total for question = 3 marks)