Name: _____

GCSE (1 – 9)

Translations

Instructions

• Use **black** ink or ball-point pen.
• Answer all Questions.
• Answer the Questions in the spaces provided
– *there may be more space than you need.*
• Diagrams are **NOT** accurately drawn, unless otherwise indicated.
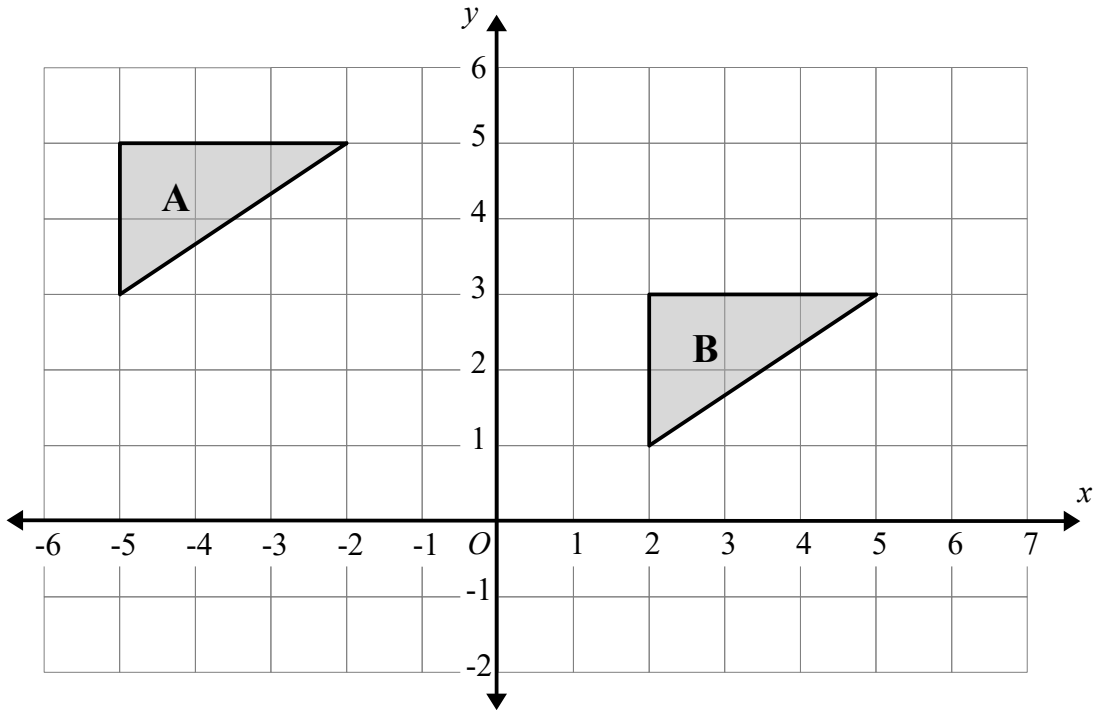• You must **show all your working out.**

Information

• The marks for each Question are shown in brackets
– *use this as a guide as to how much time to spend on each Question.*

Advice

• Read each Question carefully before you start to answer it.
• Keep an eye on the time.
• Try to answer every Question.
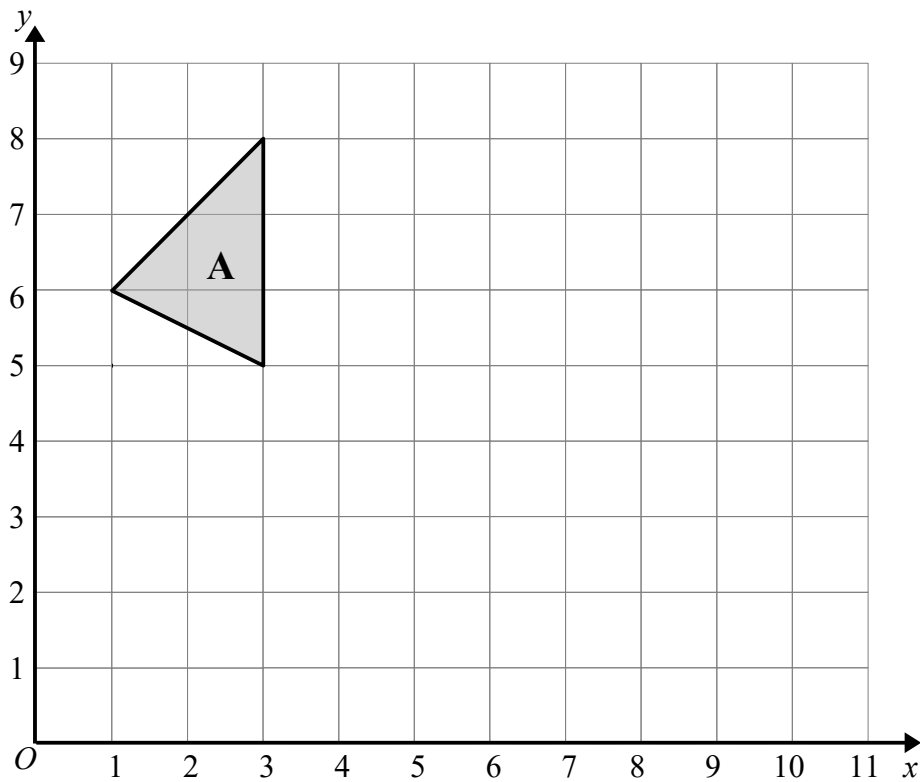• Check your answers if you have time at the end

1

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

…..............……………….......………………….....………………………….…….……

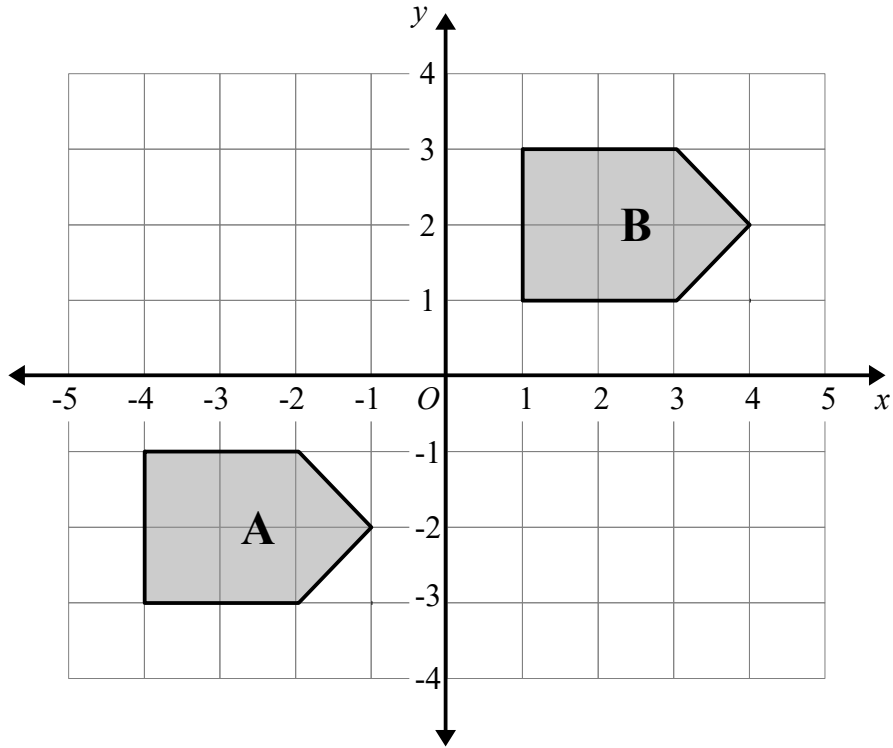**(Total for question 1 is 2 marks)**

2

Translate triangle **A** by the vector $\begin{pmatrix} 5 \\ -3 \end{pmatrix}$
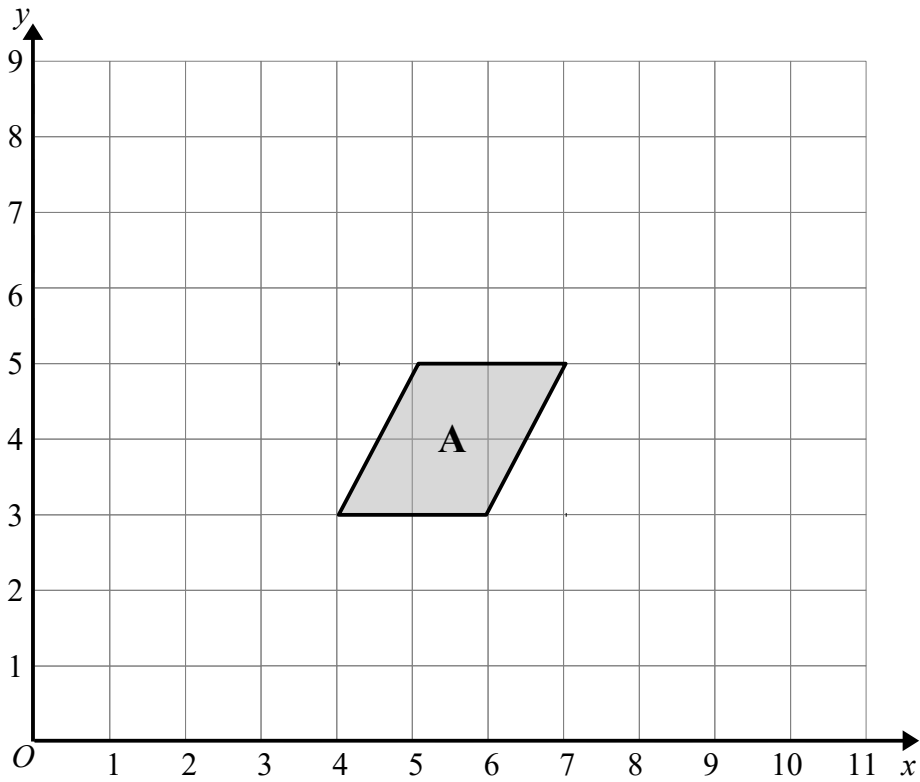
(Total for question 2 is 2 marks)

3

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

…..............…………………….......…………………………………………………………….……

(Total for question 3 is 2 marks)
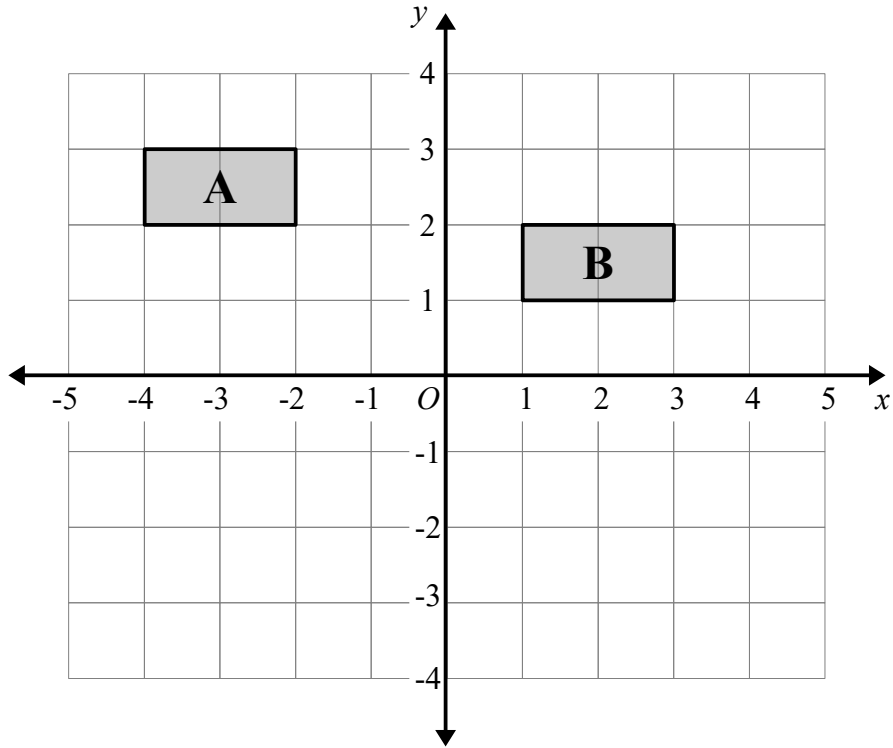
4

Translate shape **A** by the vector $\begin{pmatrix} -2 \\ 3 \end{pmatrix}$
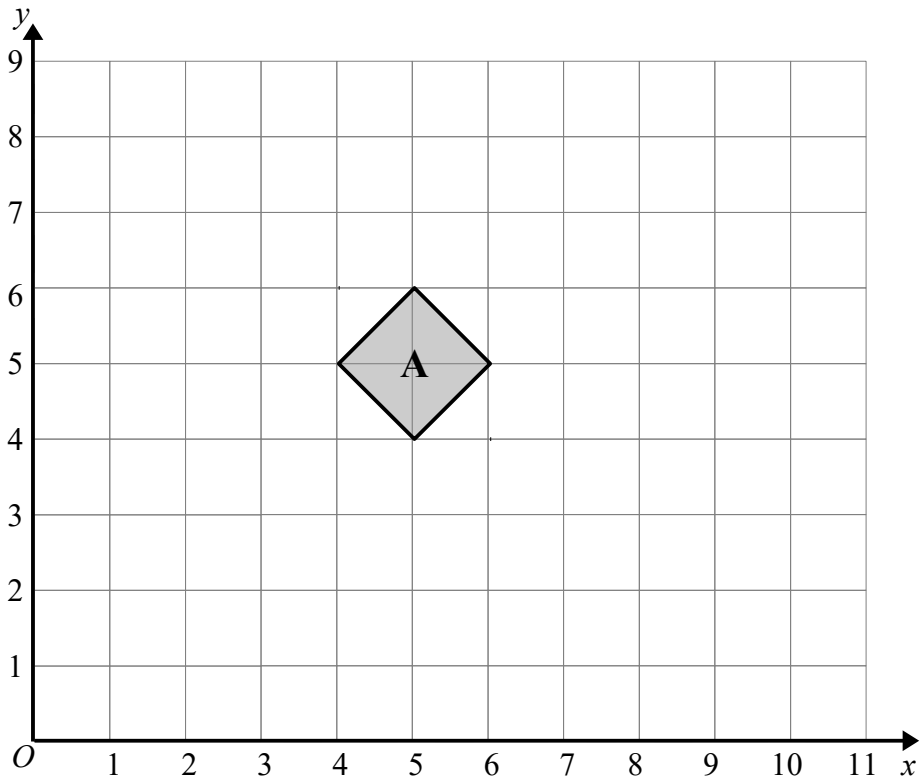
(Total for question 4 is 2 marks)

5

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

…..............……………………….........………………………………………………………
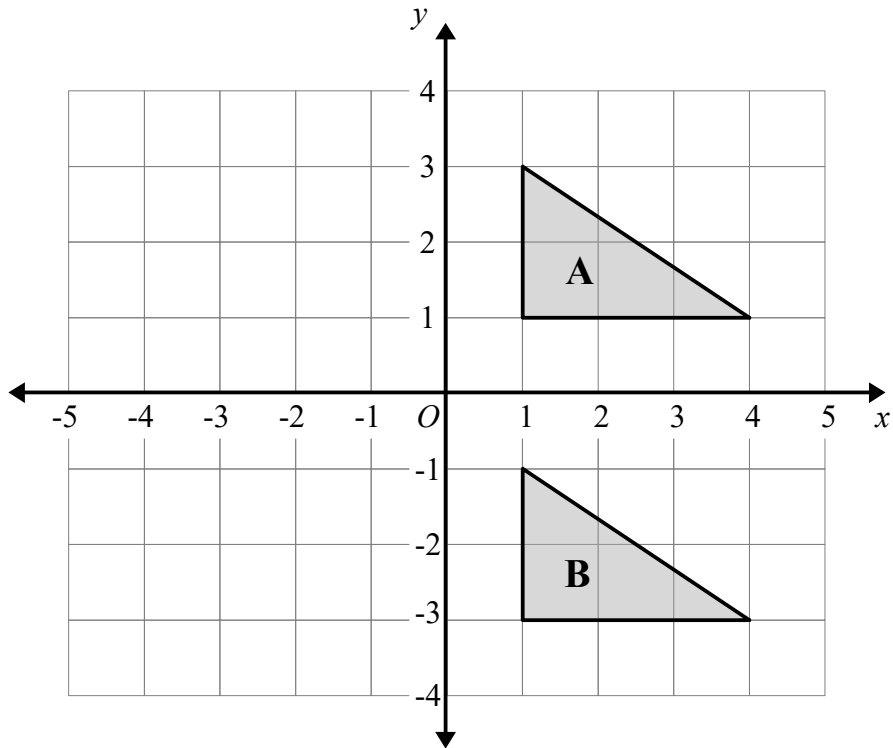
(Total for question 5 is 2 marks)

6

Translate shape **A** by the vector $\begin{pmatrix} -3 \\ -1 \end{pmatrix}$

(Total for question 6 is 2 marks)

7

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

…..............……………………….......………………………….……………………

(Total for question 7 is 2 marks)

8

Translate shape **A** by the vector $\begin{pmatrix} 8 \\ -2 \end{pmatrix}$
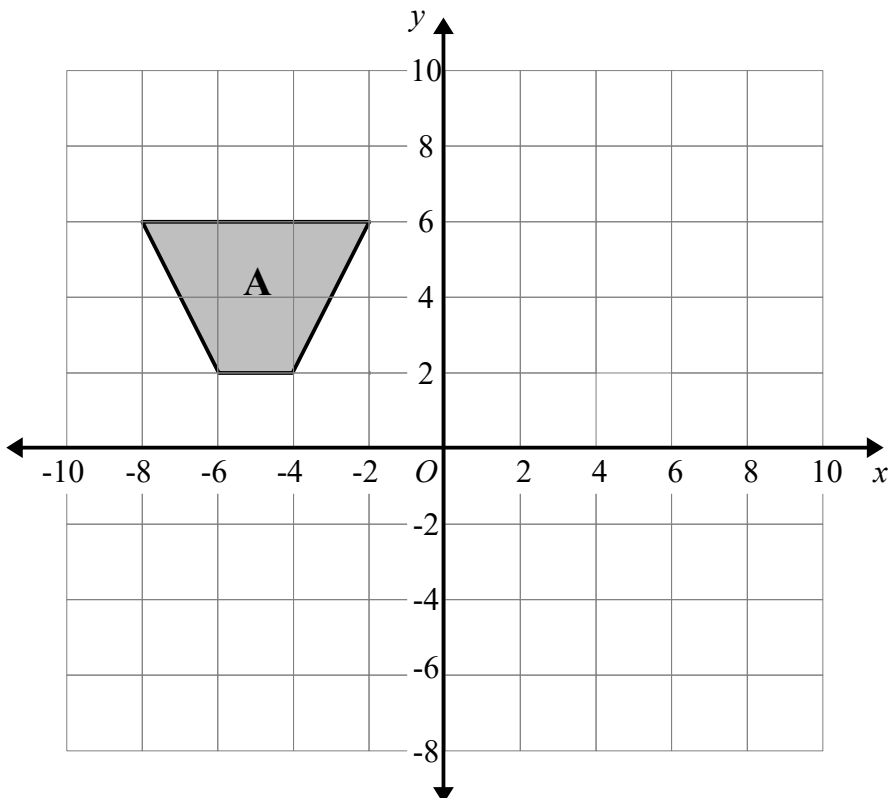
(Total for question 8 is 2 marks)