



SCAN ME

Rotations

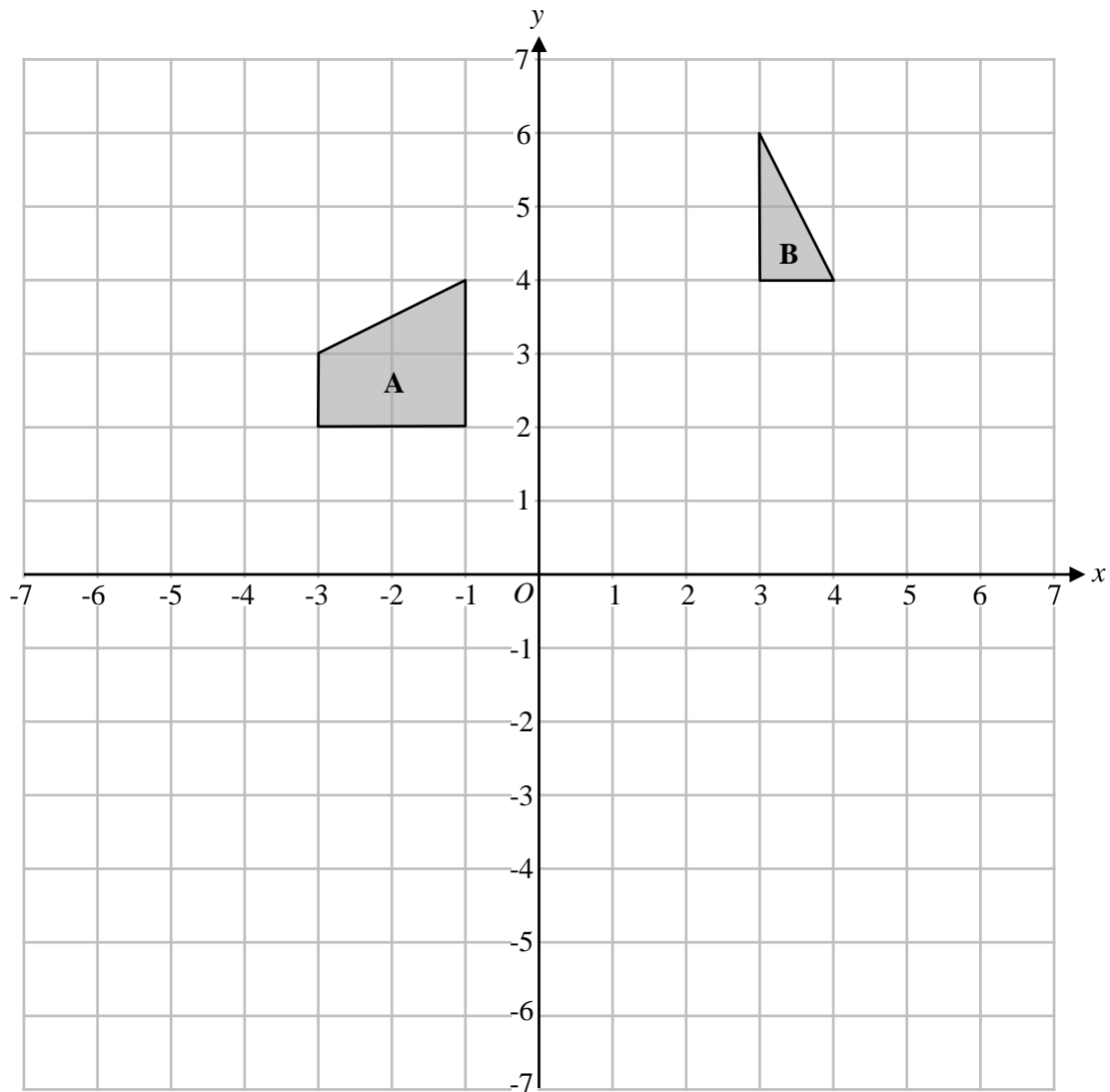


SCAN ME

REVISE THIS
TOPIC

CHECK YOUR
ANSWERS

1 Shape **A** and Shape **B** are shown on the grid below.



(a) Rotate shape **A** 180° about $(0, 0)$
Label the image shape **C**.

(2)

(b) Rotate shape **B** 90° clockwise about $(3, 3)$
Label the image shape **D**.

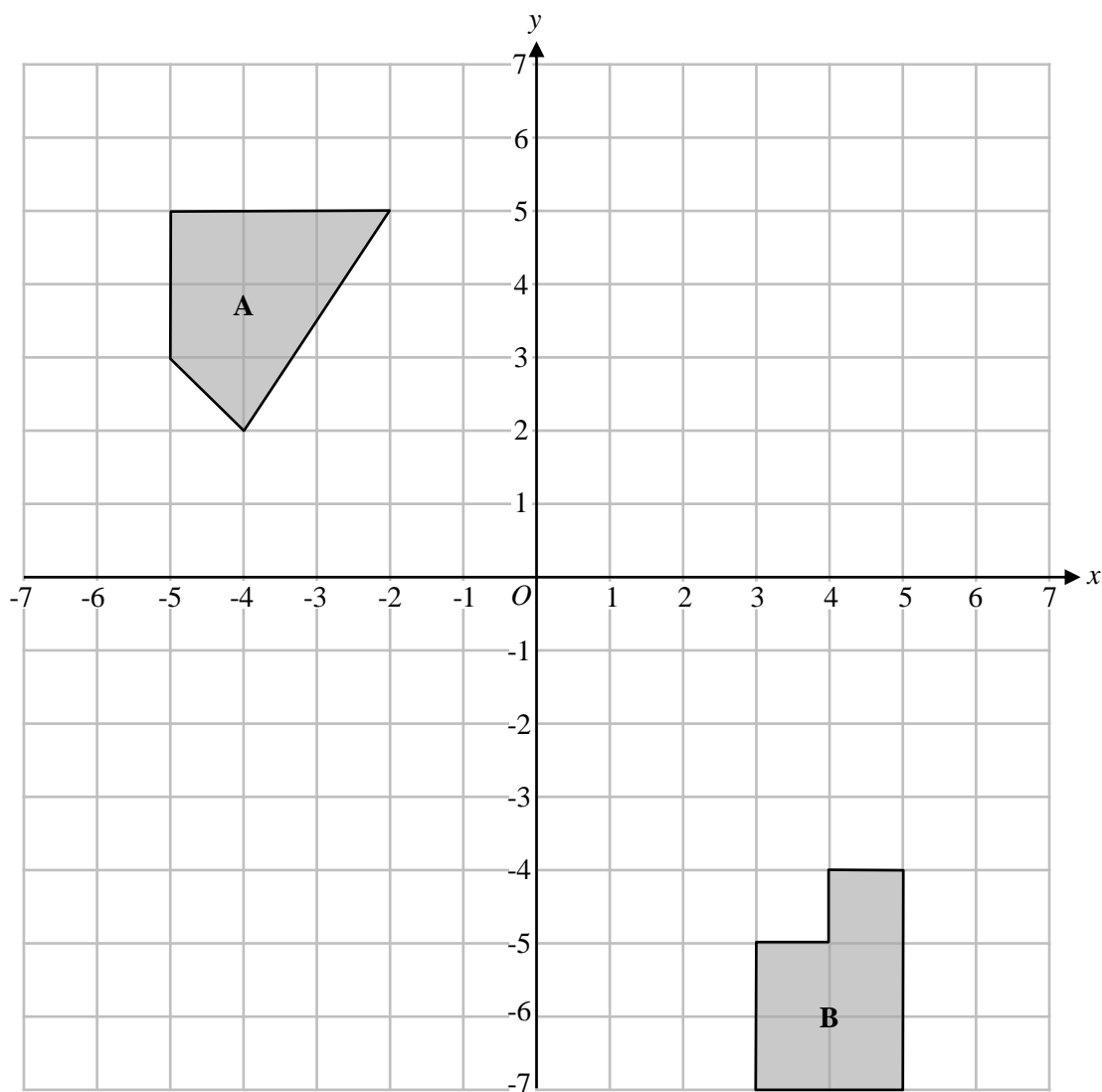
(2)

(Total for Question 1 is 4 marks)





2 Shape **A** and Shape **B** are shown on the grid below.



- (a) Rotate shape **A** 90° anticlockwise about $(0, 0)$
Label the image shape **C**.

(2)

- (b) Rotate shape **B** 180° about $(3, -4)$
Label the image shape **D**.

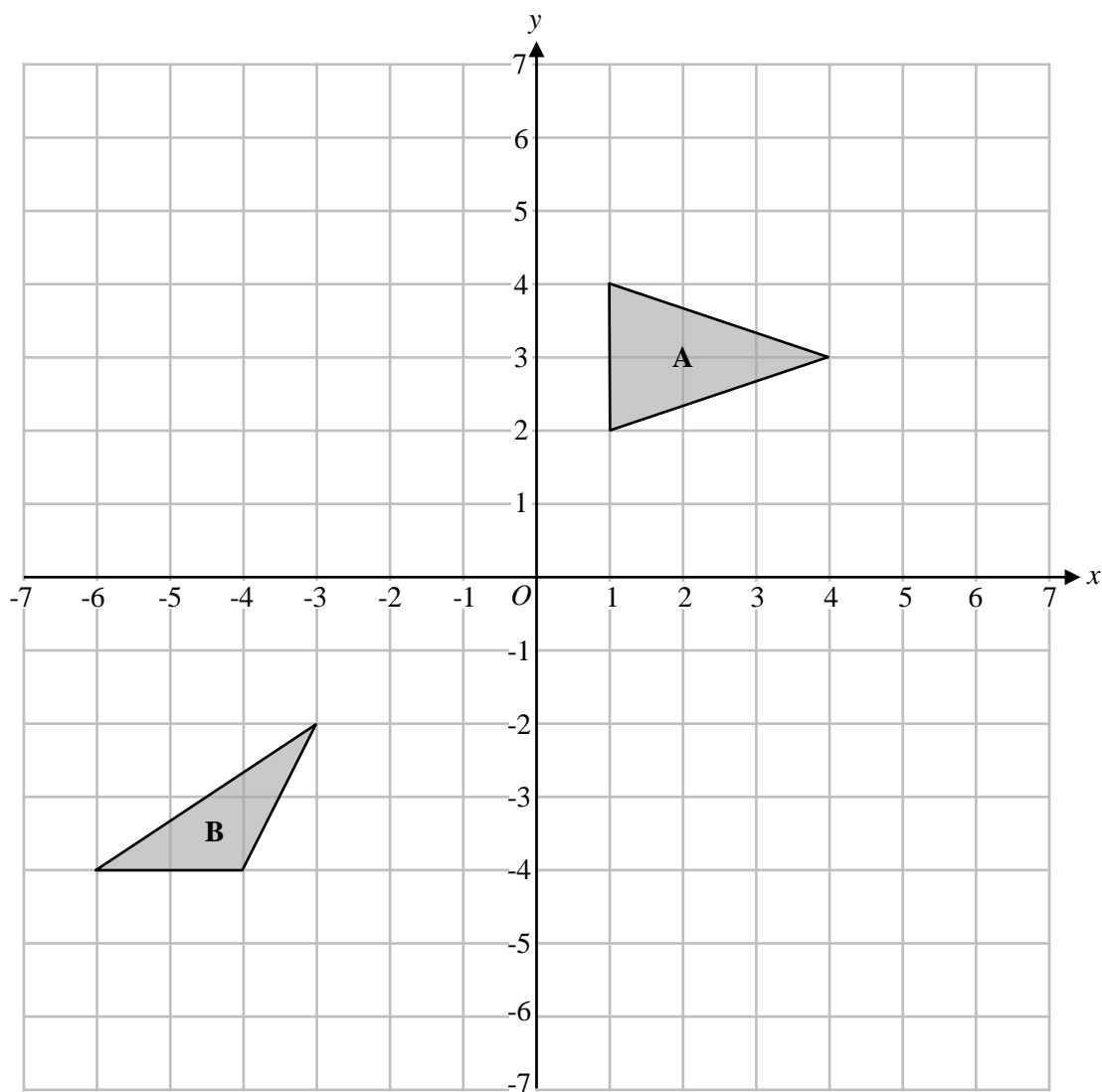
(2)

(Total for Question 2 is 4 marks)





3 Shape **A** and Shape **B** are shown on the grid below.



- (a) Rotate shape **A** 90° clockwise about $(1, 0)$
Label the image shape **C**.

(2)

- (b) Rotate shape **B** 90° anticlockwise about $(0, -1)$
Label the image shape **D**.

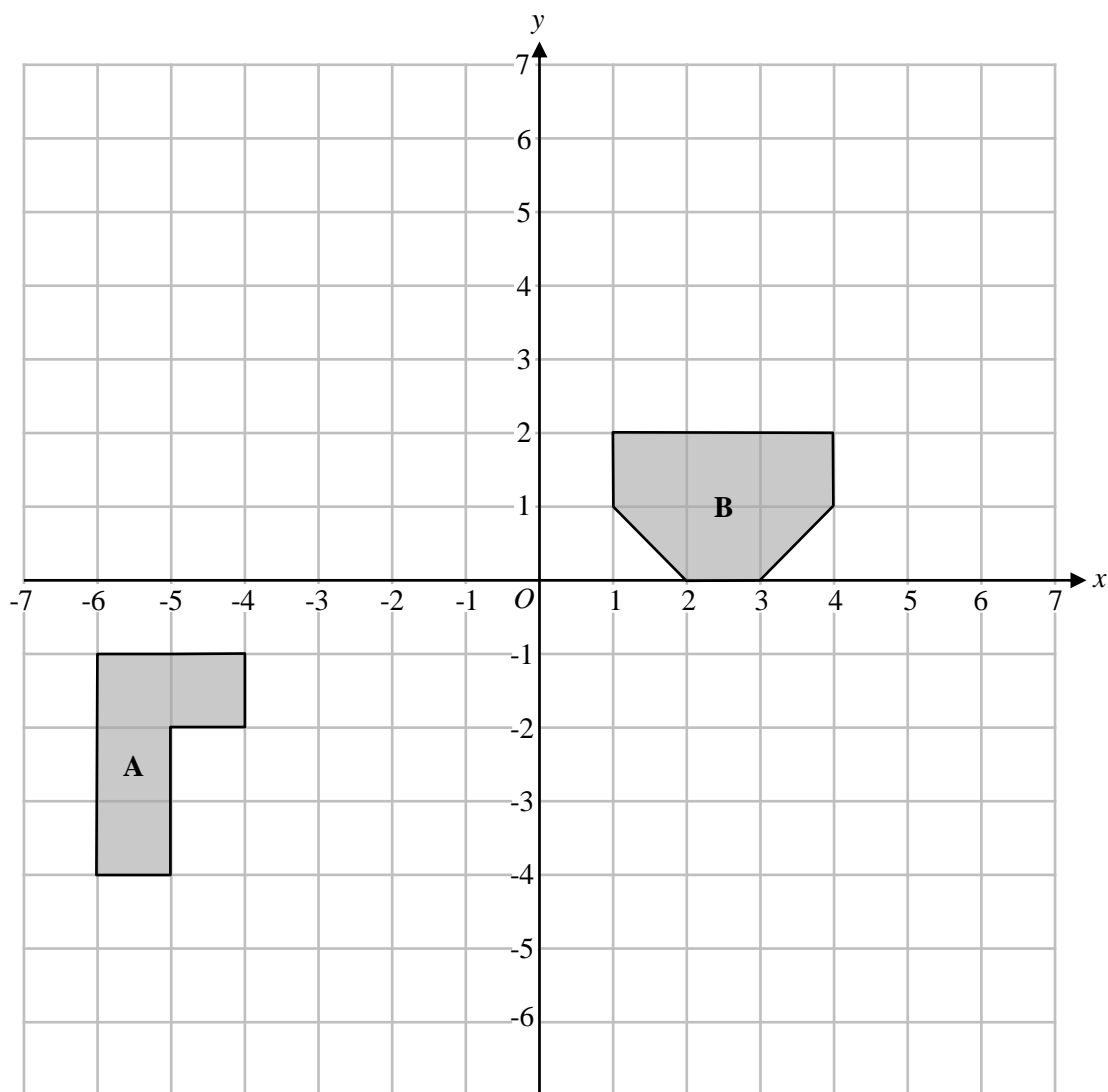
(2)

(Total for Question 3 is 4 marks)





4 Shape **A** and Shape **B** are shown on the grid below.



- (a) Rotate shape **A** 90° clockwise about $(-1, 1)$
Label the image shape **C**.

(2)

- (b) Rotate shape **B** 180° about $(3, 3)$
Label the image shape **D**.

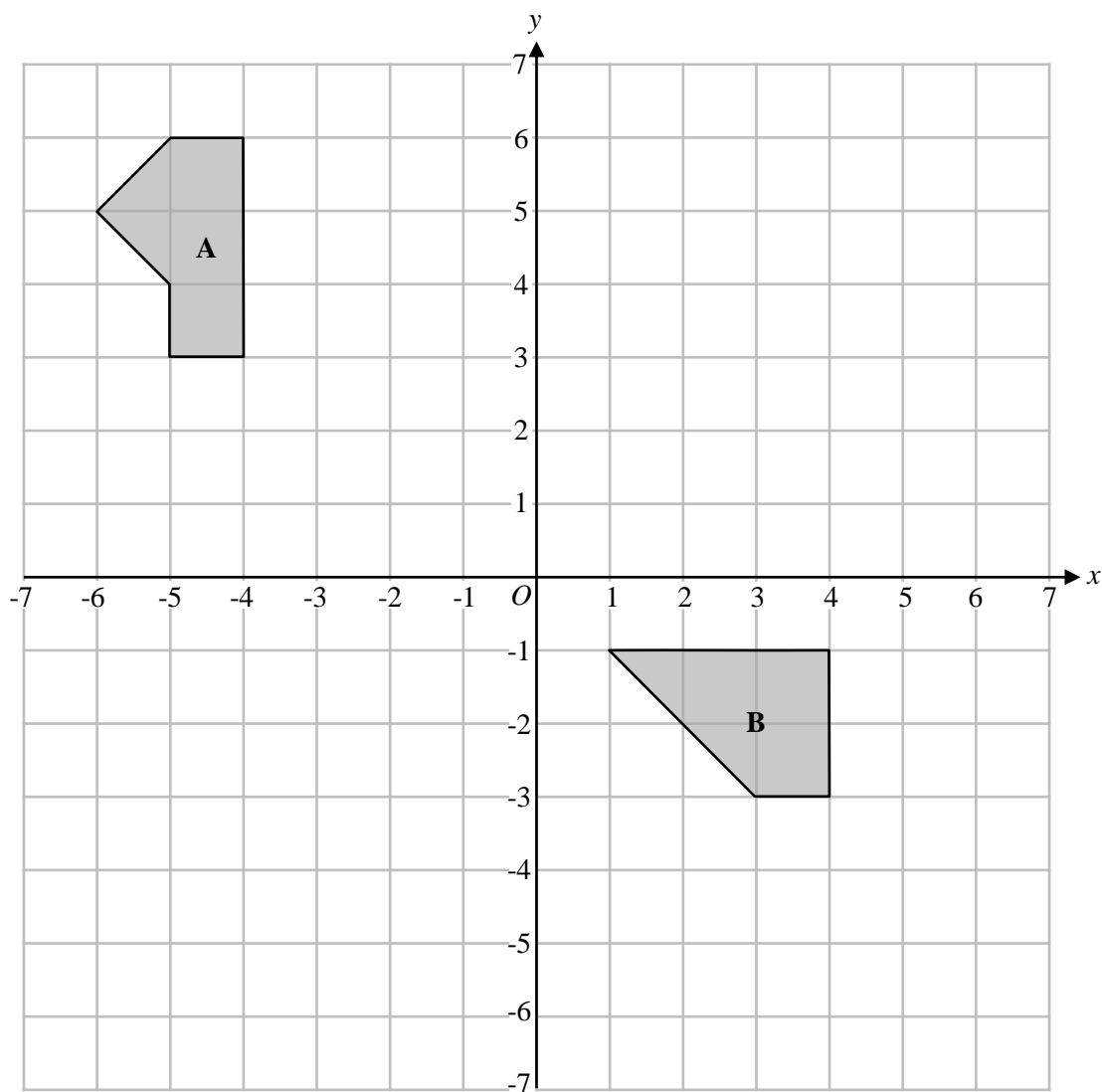
(2)

(Total for Question 4 is 4 marks)





5 Shape **A** and Shape **B** are shown on the grid below.



- (a) Rotate shape **A** 180° about $(-4, 0)$
Label the image shape **C**.

(2)

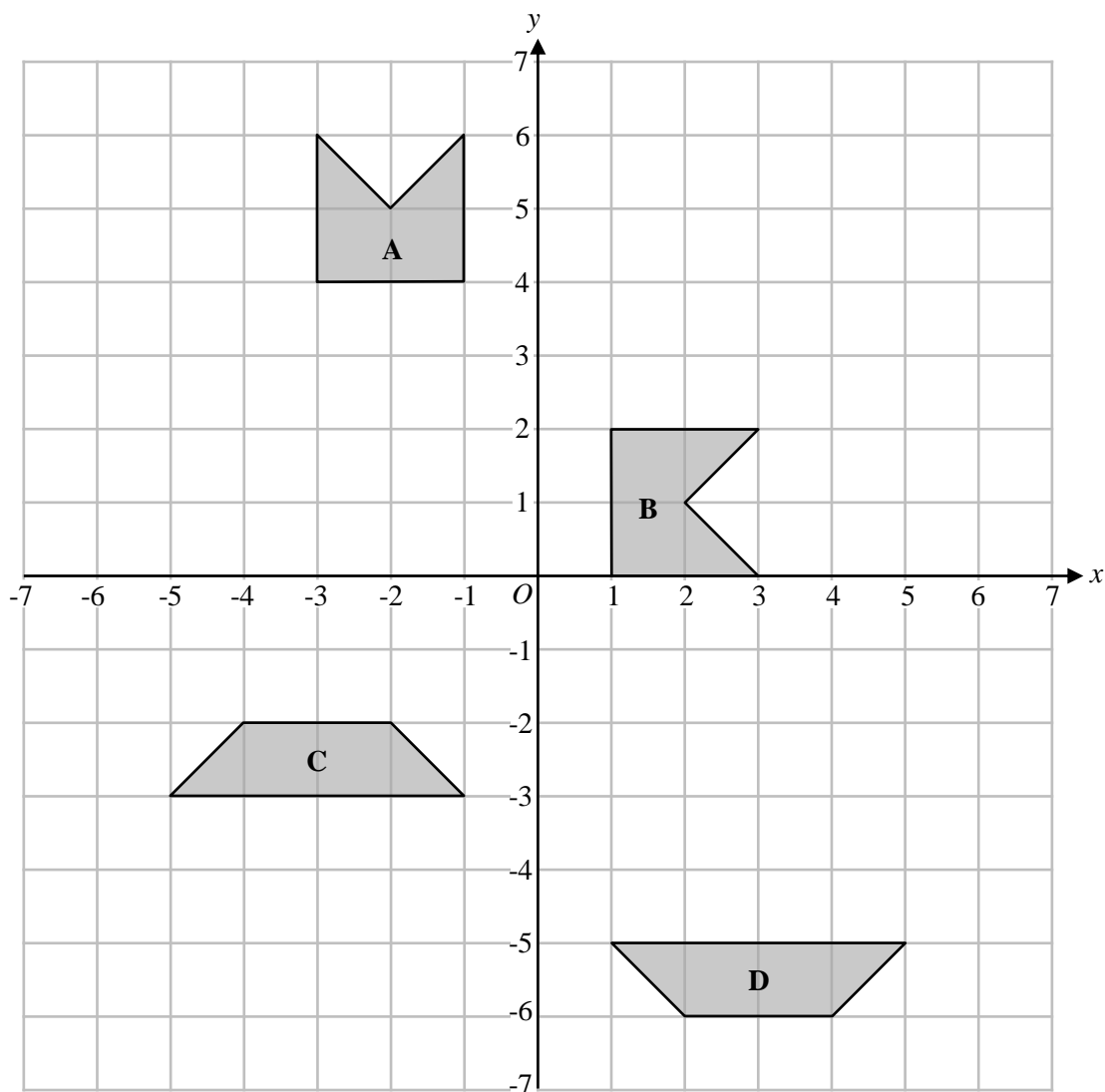
- (b) Rotate shape **B** 90° anticlockwise about $(2, 2)$
Label the image shape **D**.

(2)

(Total for Question 5 is 4 marks)



6



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

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.....

(2)

(b) Describe fully the single transformation that maps shape **C** onto shape **D**.

.....

.....

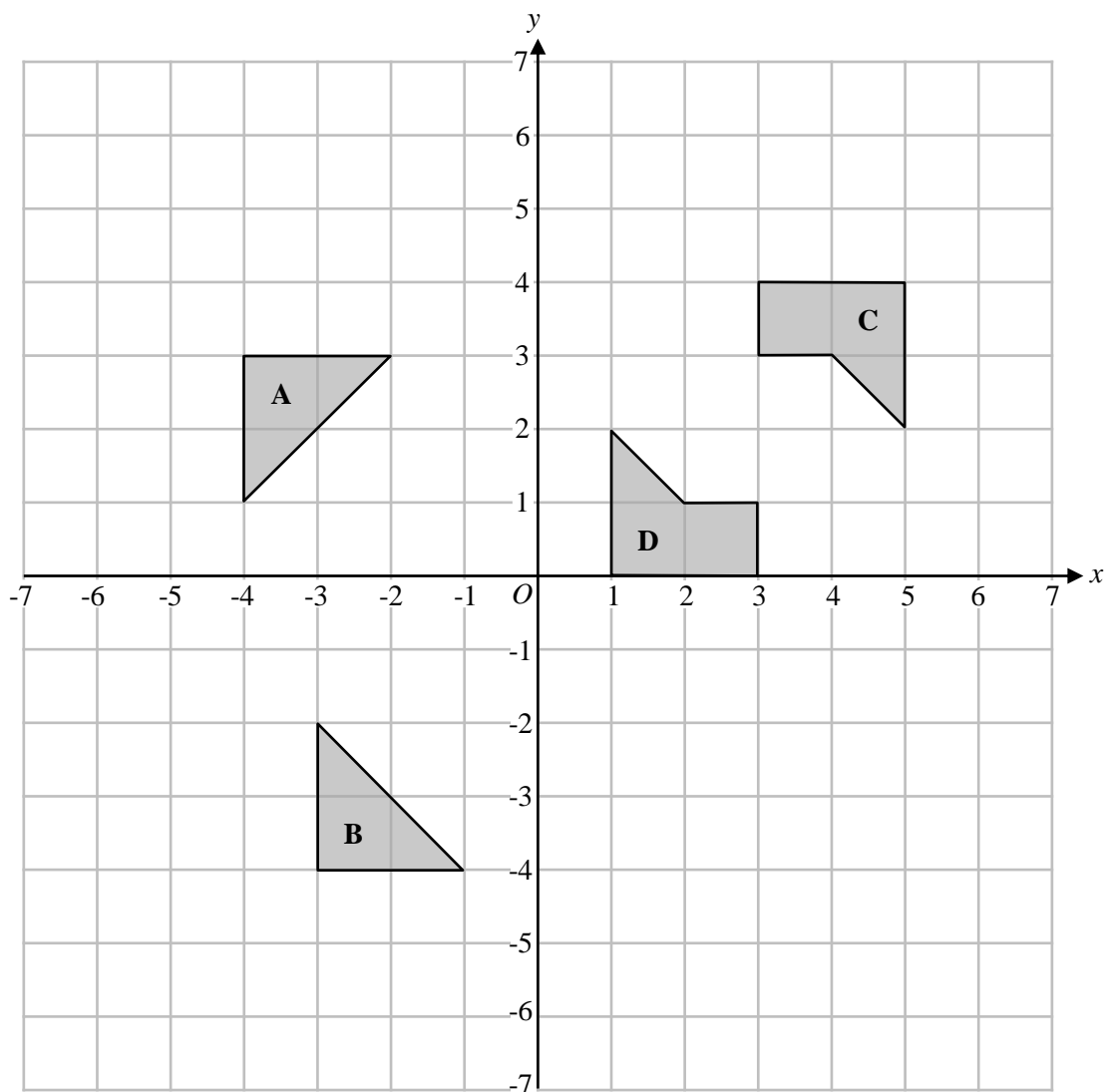
(2)

(Total for Question 6 is 4 marks)





7



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

.....

.....

(2)

(b) Describe fully the single transformation that maps shape **C** onto shape **D**.

.....

.....

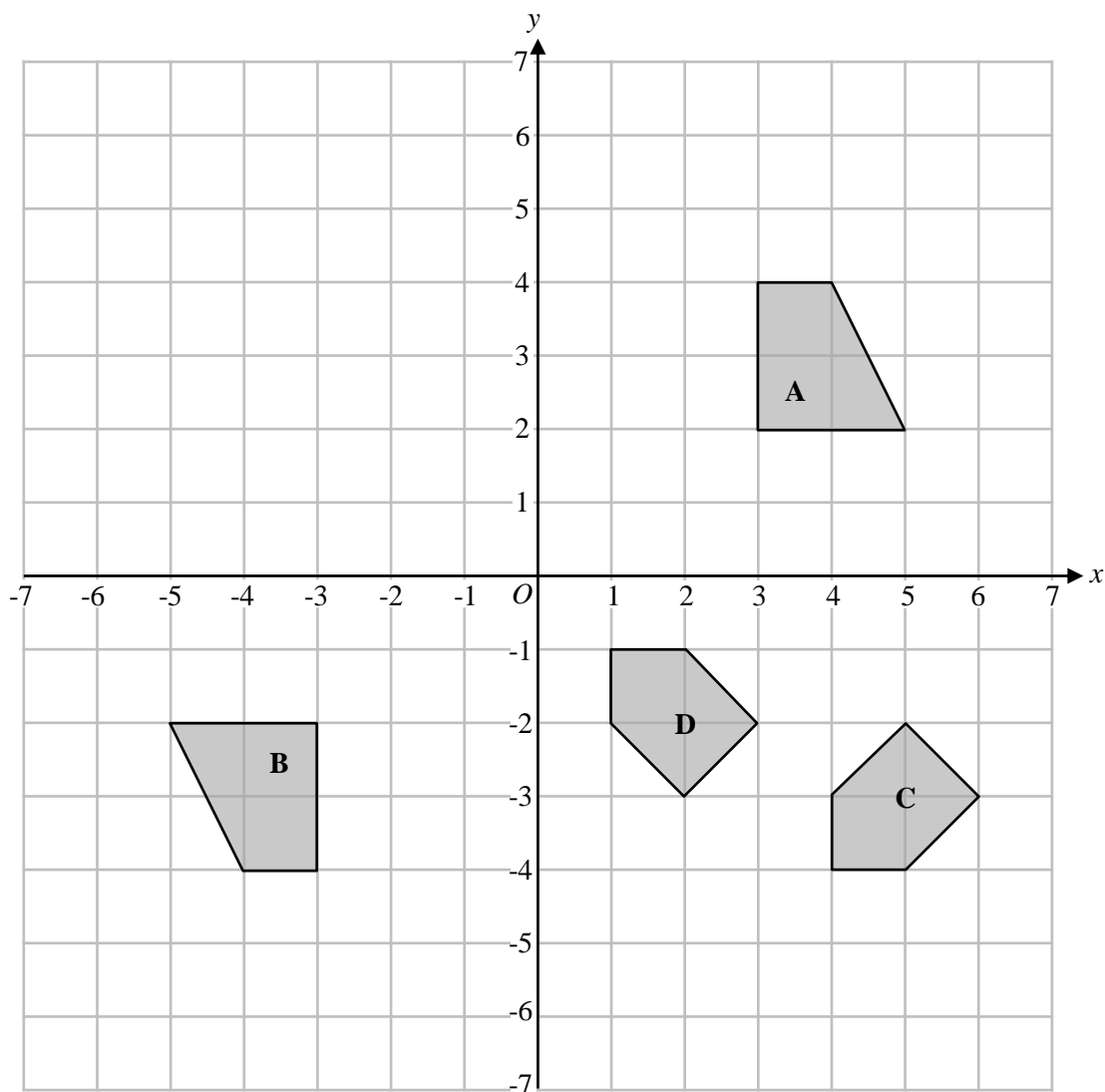
(2)

(Total for Question 7 is 4 marks)





8



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

.....

.....

(2)

(b) Describe fully the single transformation that maps shape **C** onto shape **D**.

.....

.....

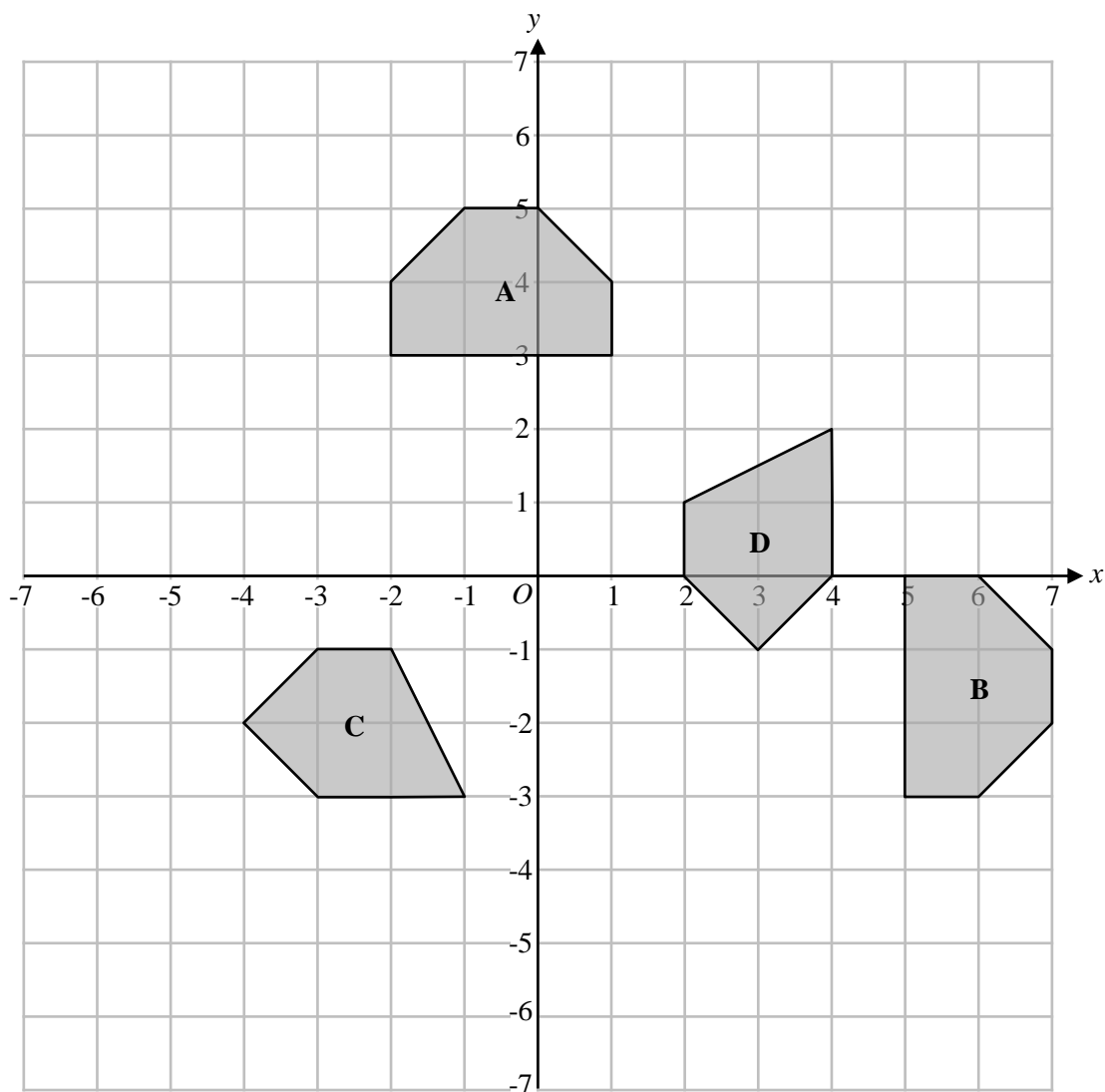
(2)

(Total for Question 8 is 4 marks)





9



- (a) Describe fully the single transformation that maps shape **A** onto shape **B**.

(2)

- (b) Describe fully the single transformation that maps shape **C** onto shape **D**.

(2)

(Total for Question 9 is 4 marks)

