



SCAN ME

Enlargements (Negative SF)



SCAN ME

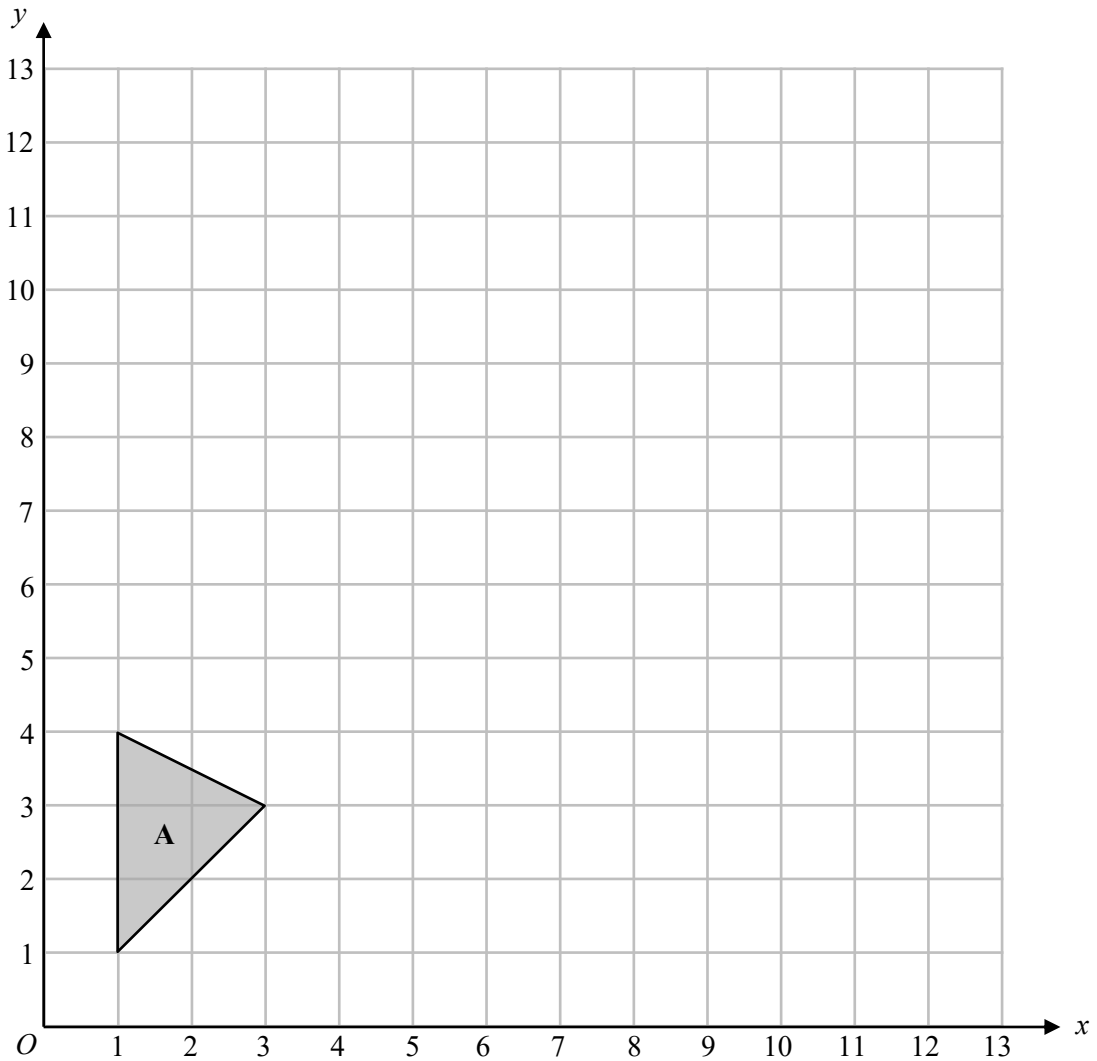


REVISE THIS TOPIC



CHECK YOUR ANSWERS

1 Enlarge triangle A by scale factor -2, centre (5, 4)

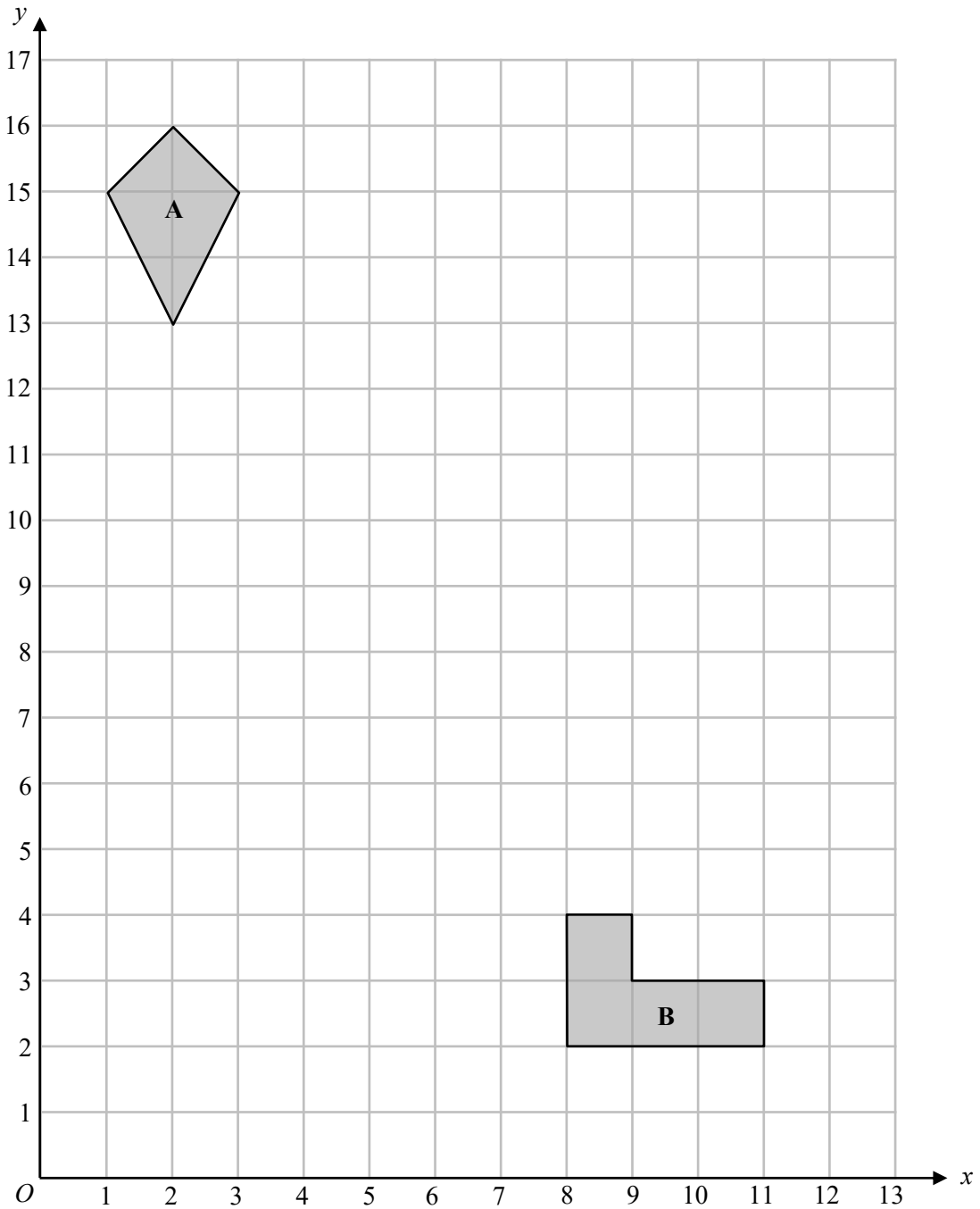


1

(Total for Question 1 is 2 marks)

2 (a) Enlarge shape **A** by scale factor -3 , centre $(4, 14)$ (2)

(b) Enlarge shape **B** by scale factor -1 , centre $(6, 5)$ (2)

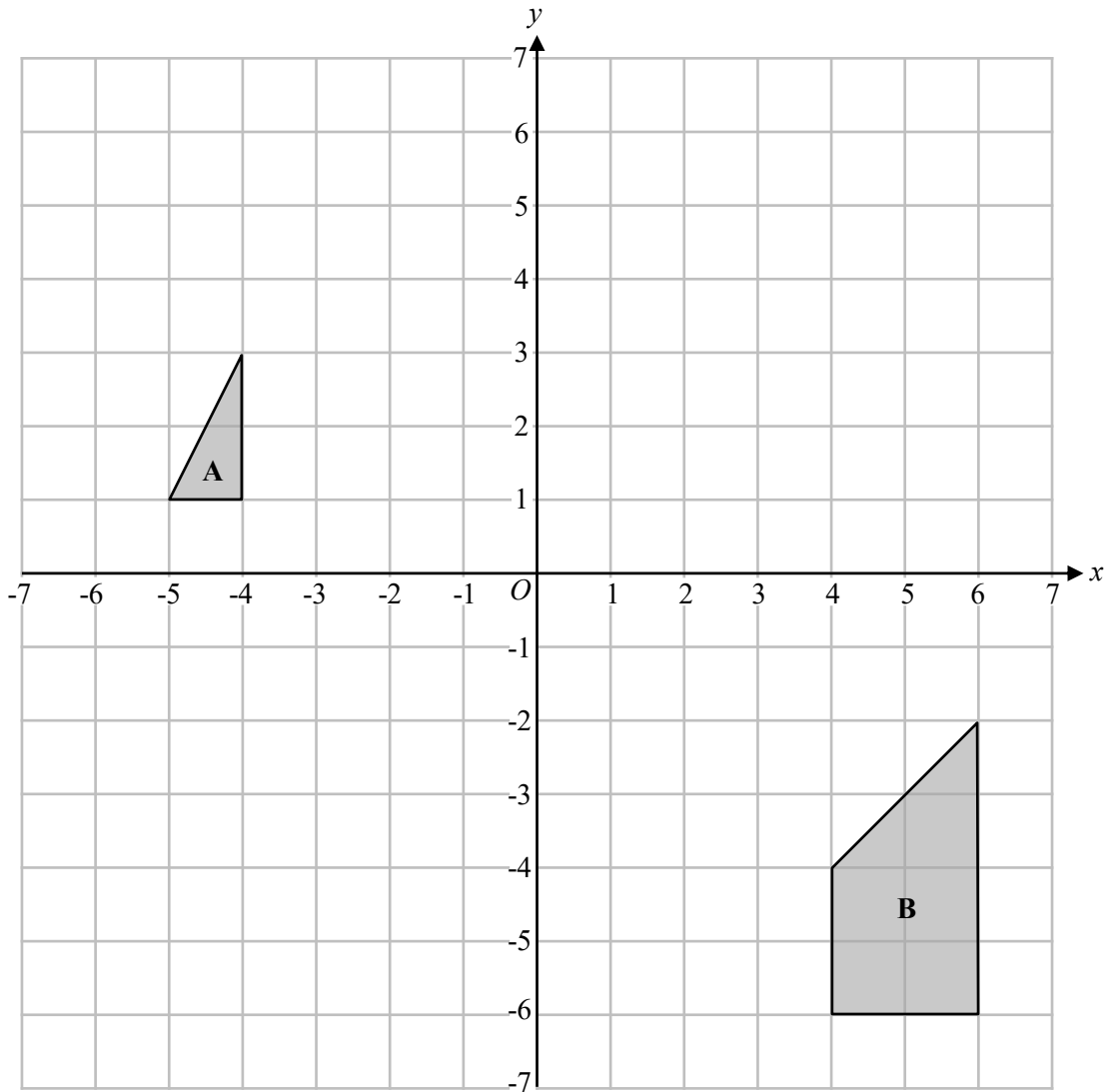


(Total for Question 2 is 4 marks)



3 (a) Enlarge shape **A** by scale factor -4 , centre $(-3, 2)$ (2)

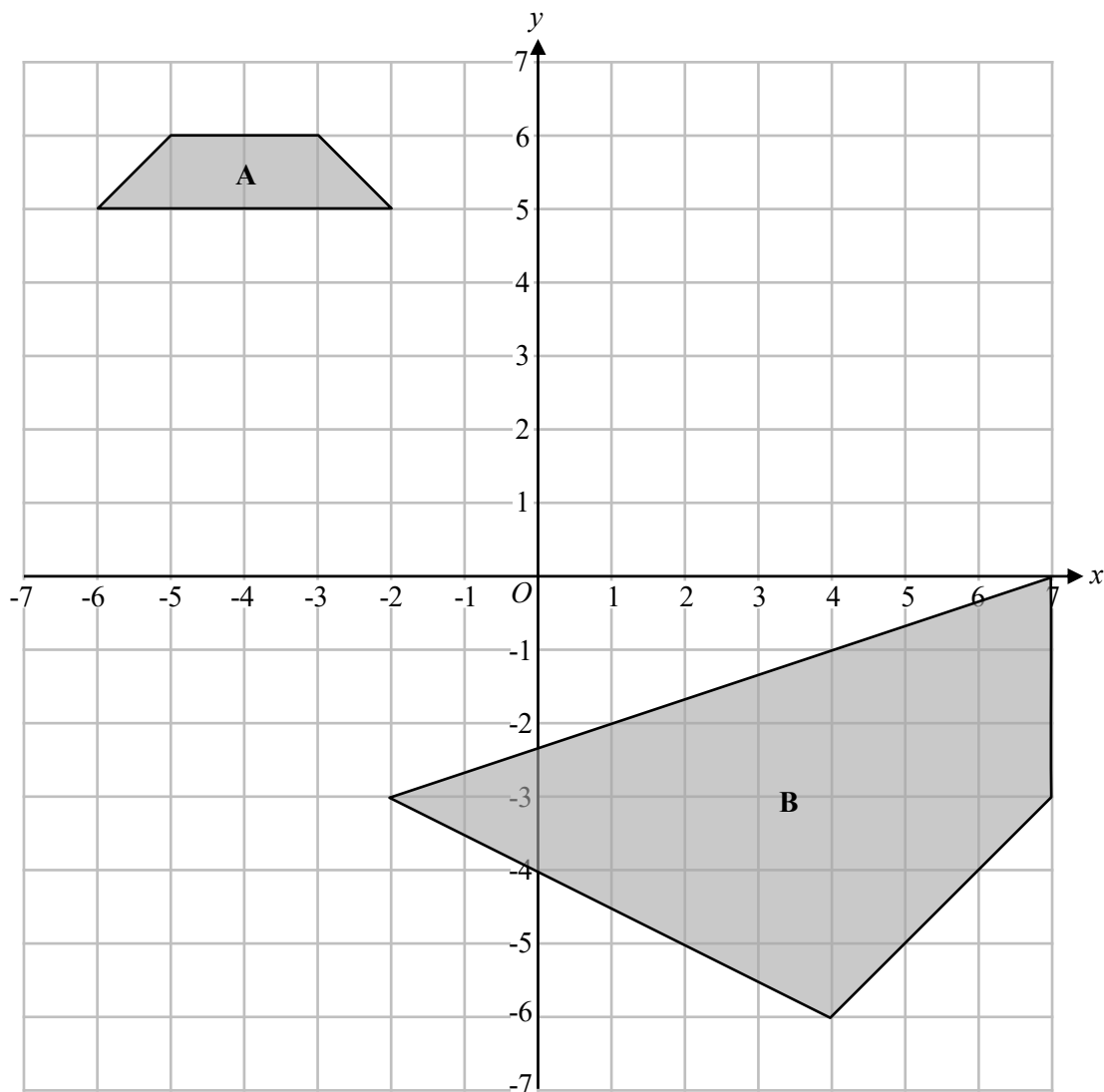
(b) Enlarge shape **B** by scale factor -0.5 , centre $(2, -4)$ (2)



(Total for Question 3 is 4 marks)



- 4 (a) Enlarge shape **A** by scale factor -2 , centre $(-2, 5)$ (2)
- (b) Enlarge shape **B** by scale factor $-\frac{1}{3}$, centre $(-2, 0)$ (2)

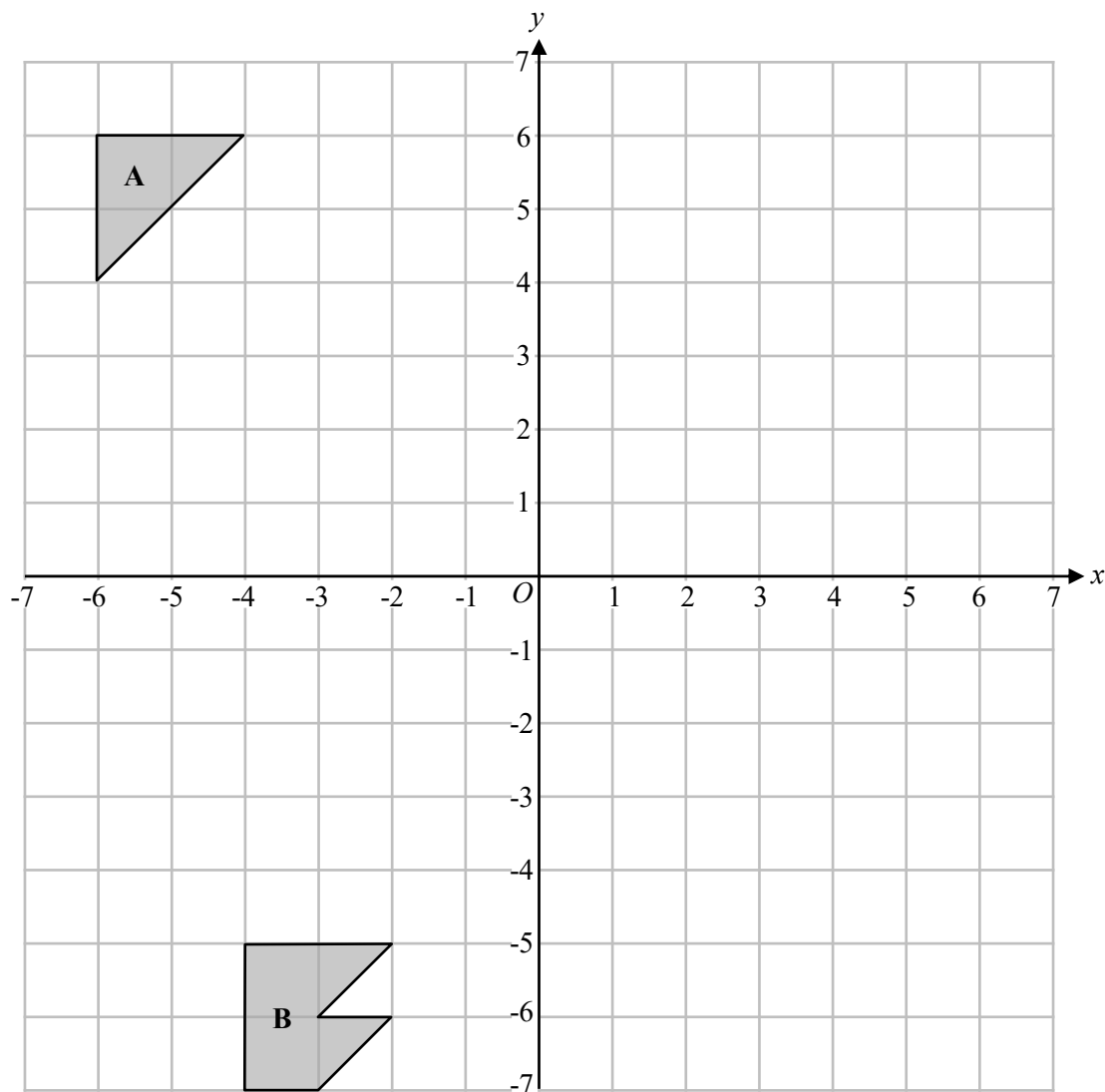


(Total for Question 4 is 4 marks)



5 (a) Enlarge shape **A** by scale factor $-2\frac{1}{2}$, centre $(-4, 4)$ (2)

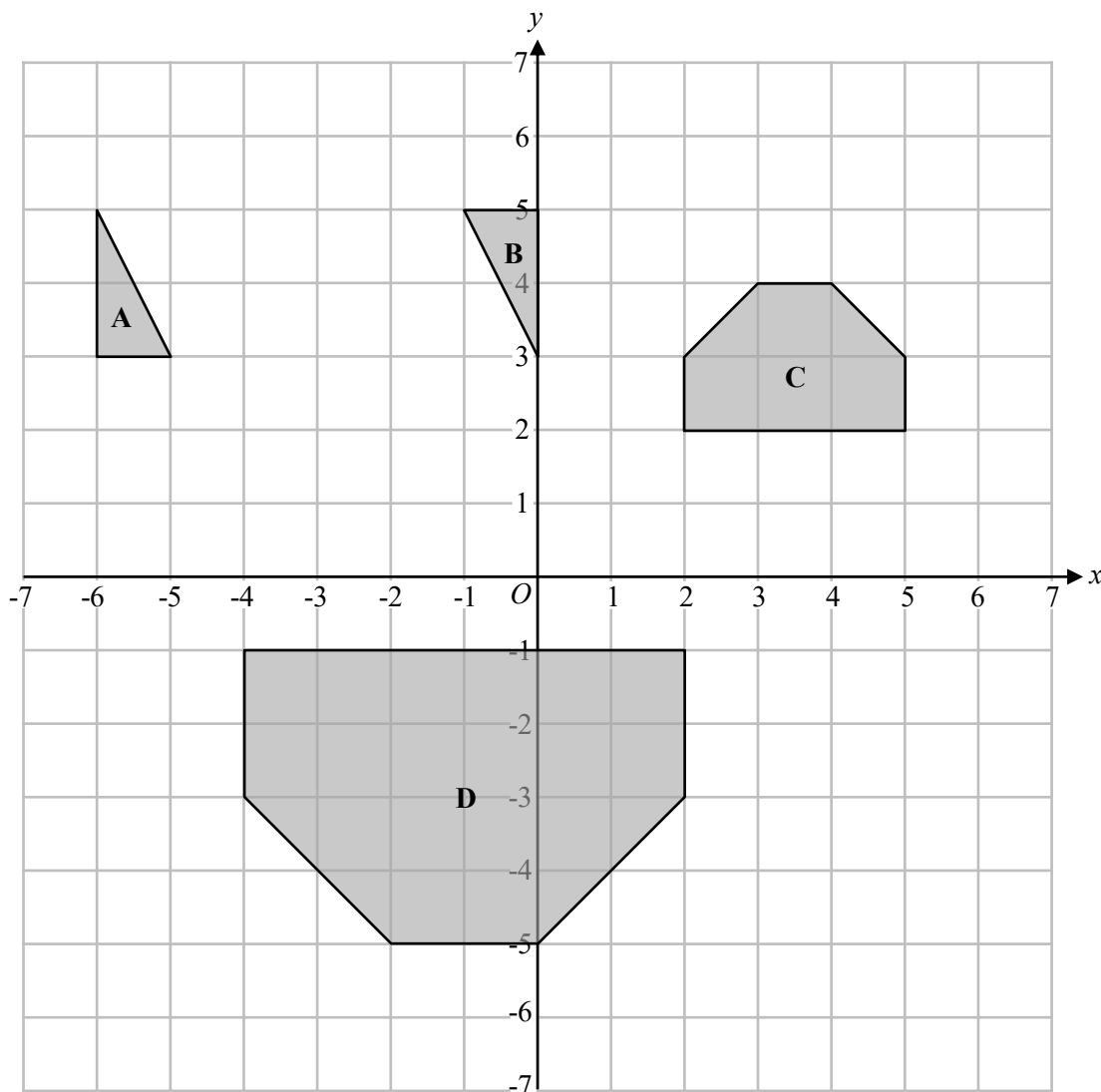
(b) Enlarge shape **B** by scale factor -2 , centre $(-1, -5)$ (2)



(Total for Question 5 is 4 marks)



6



(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**.

.....

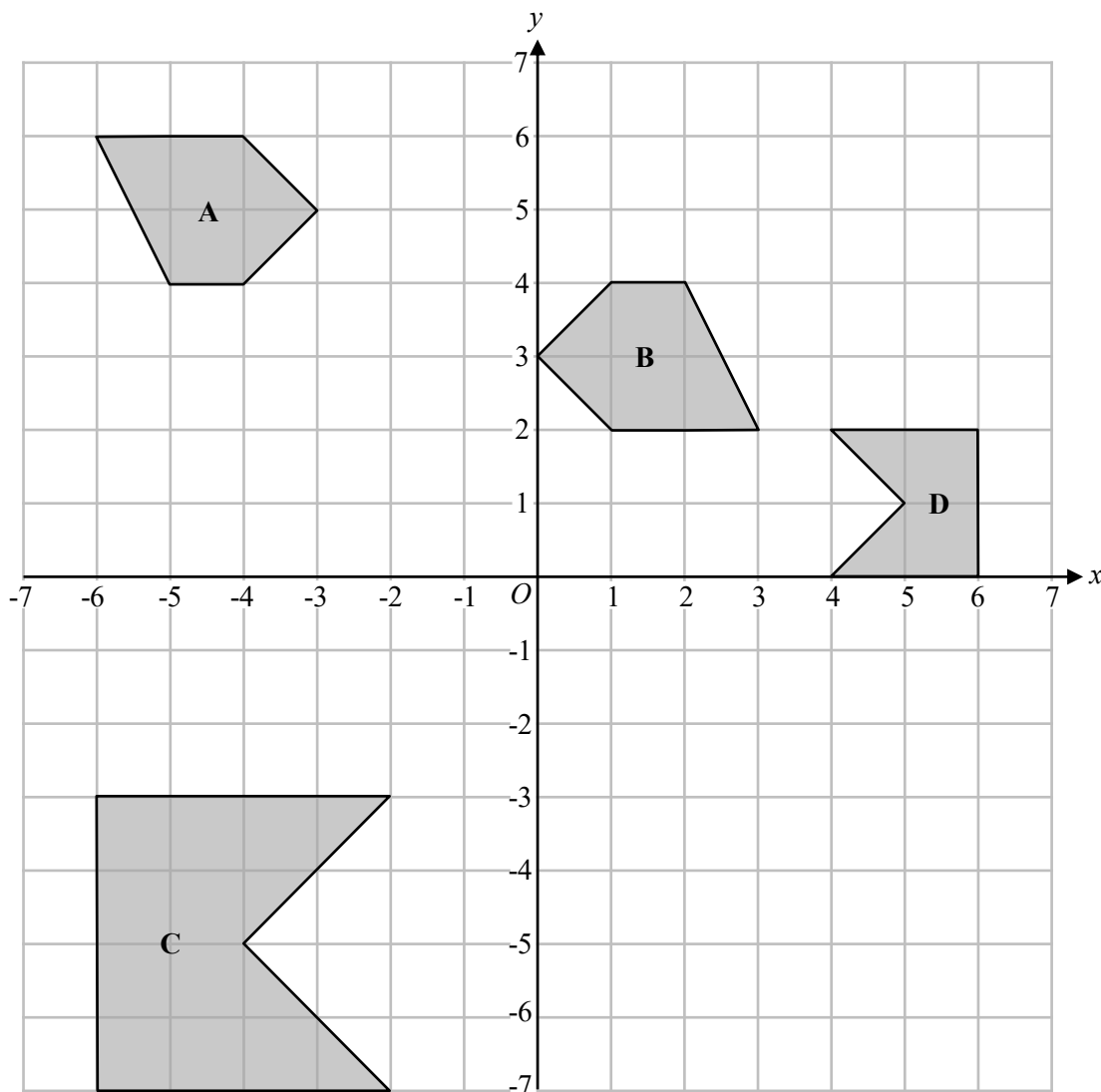
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(2)

(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**.

.....

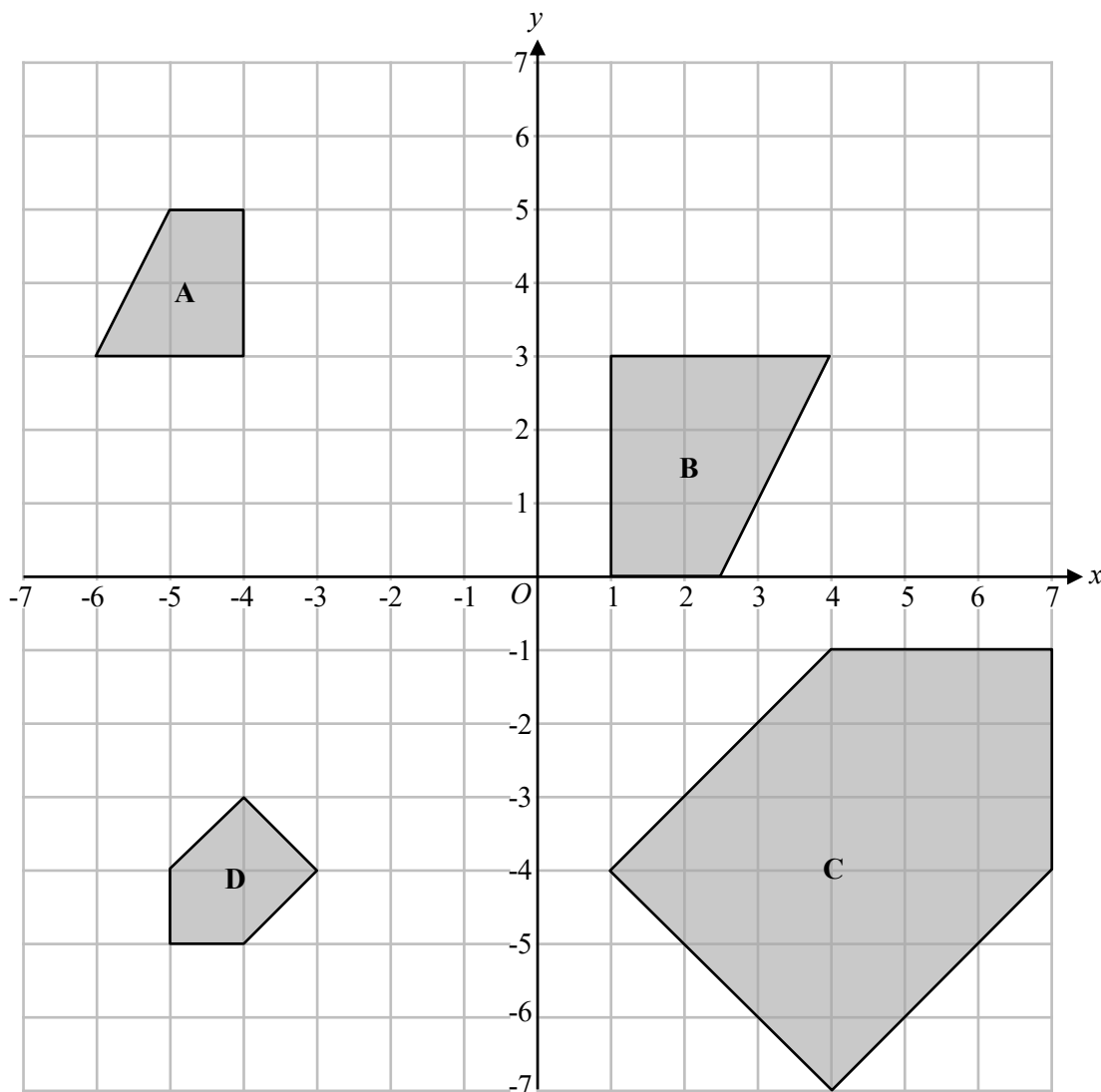
.....

(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**.

.....

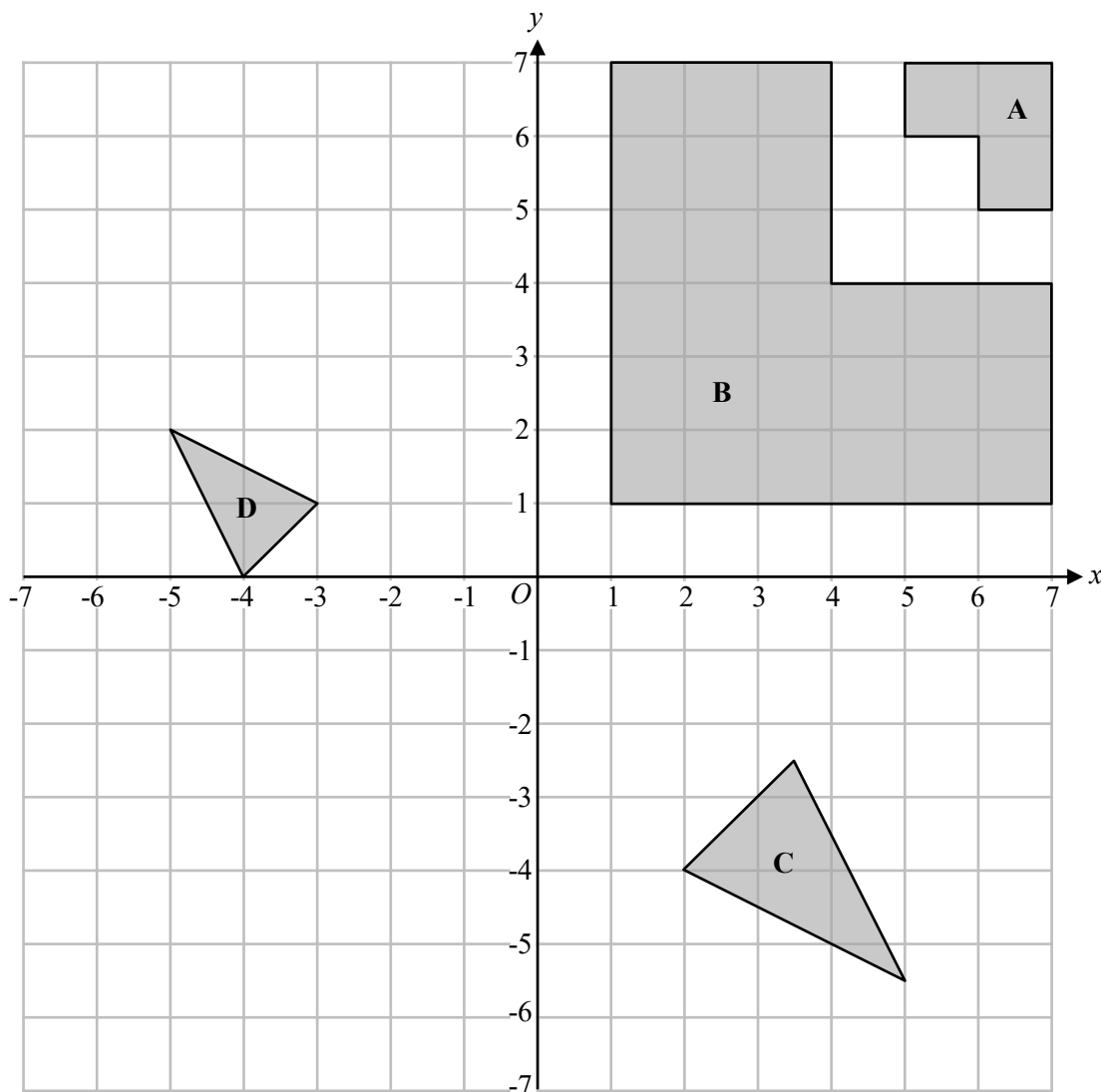
.....

(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**.

.....

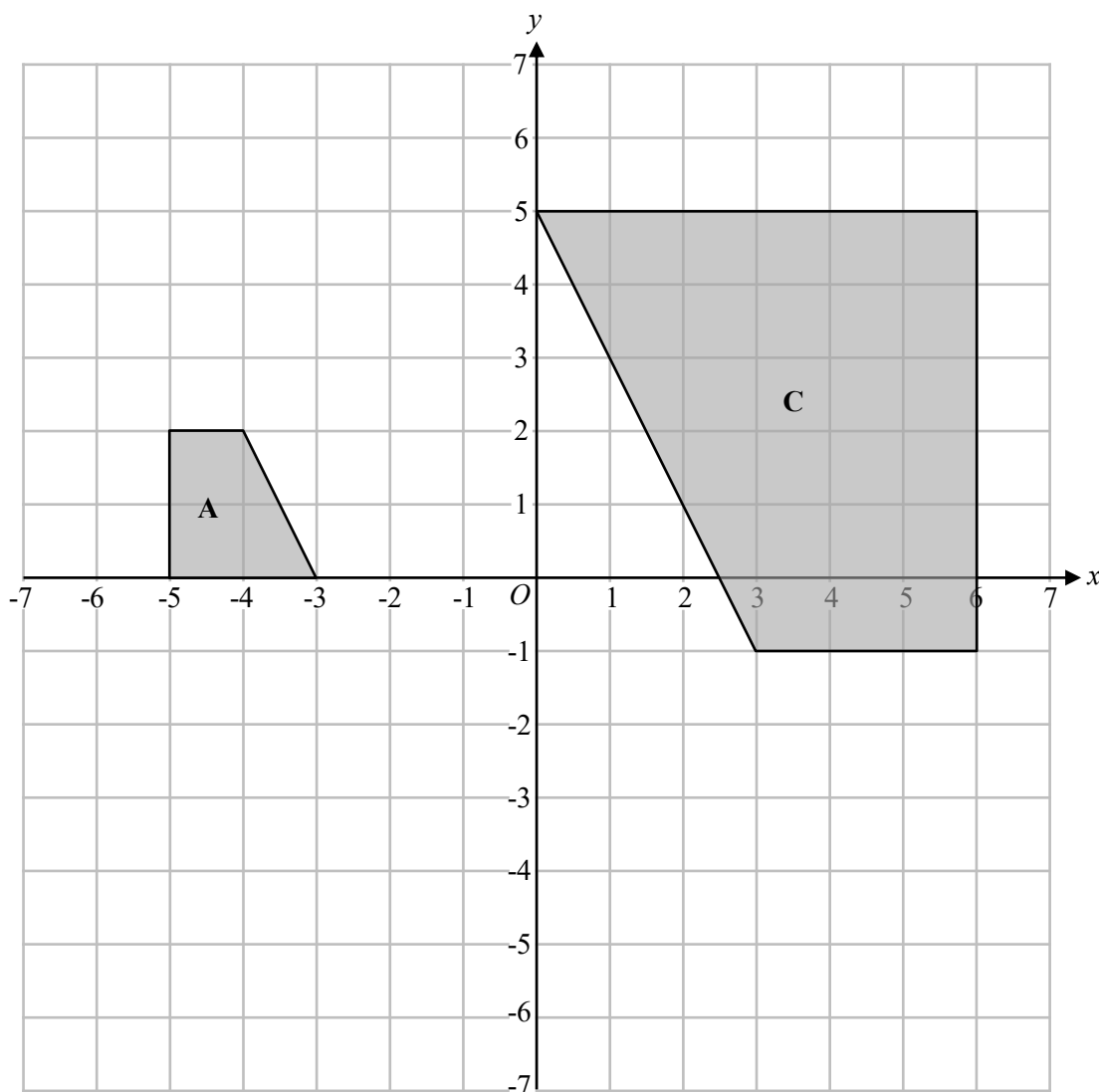
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(2)

(Total for Question 9 is 4 marks)



10



Shape **A** is enlarged by scale factor 2 with centre of enlargement $(-6, 5)$ to shape **B**.

Shape **B** is enlarged to shape **C**.

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

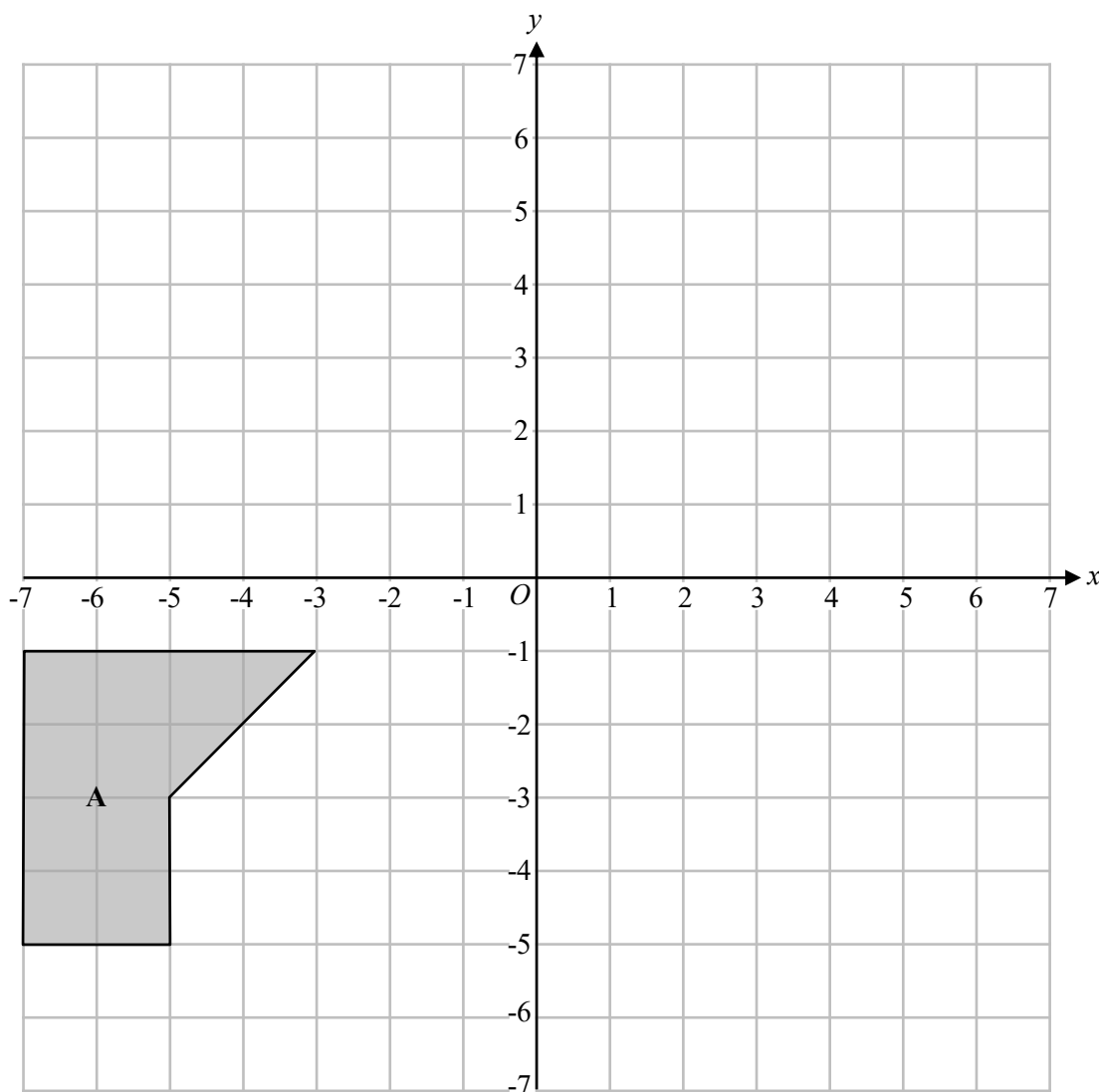
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(Total for Question 10 is 4 marks)



11



Shape **A** is enlarged by scale factor 0.5 with centre of enlargement $(-3, 7)$ to shape **B**.

Shape **A** is enlarged by scale factor -2 with centre of enlargement $(-3, -3)$ to shape **C**.

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

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(Total for Question 11 is 4 marks)

