1 Enlarge triangle **A** by scale factor -2, centre (5, 4)
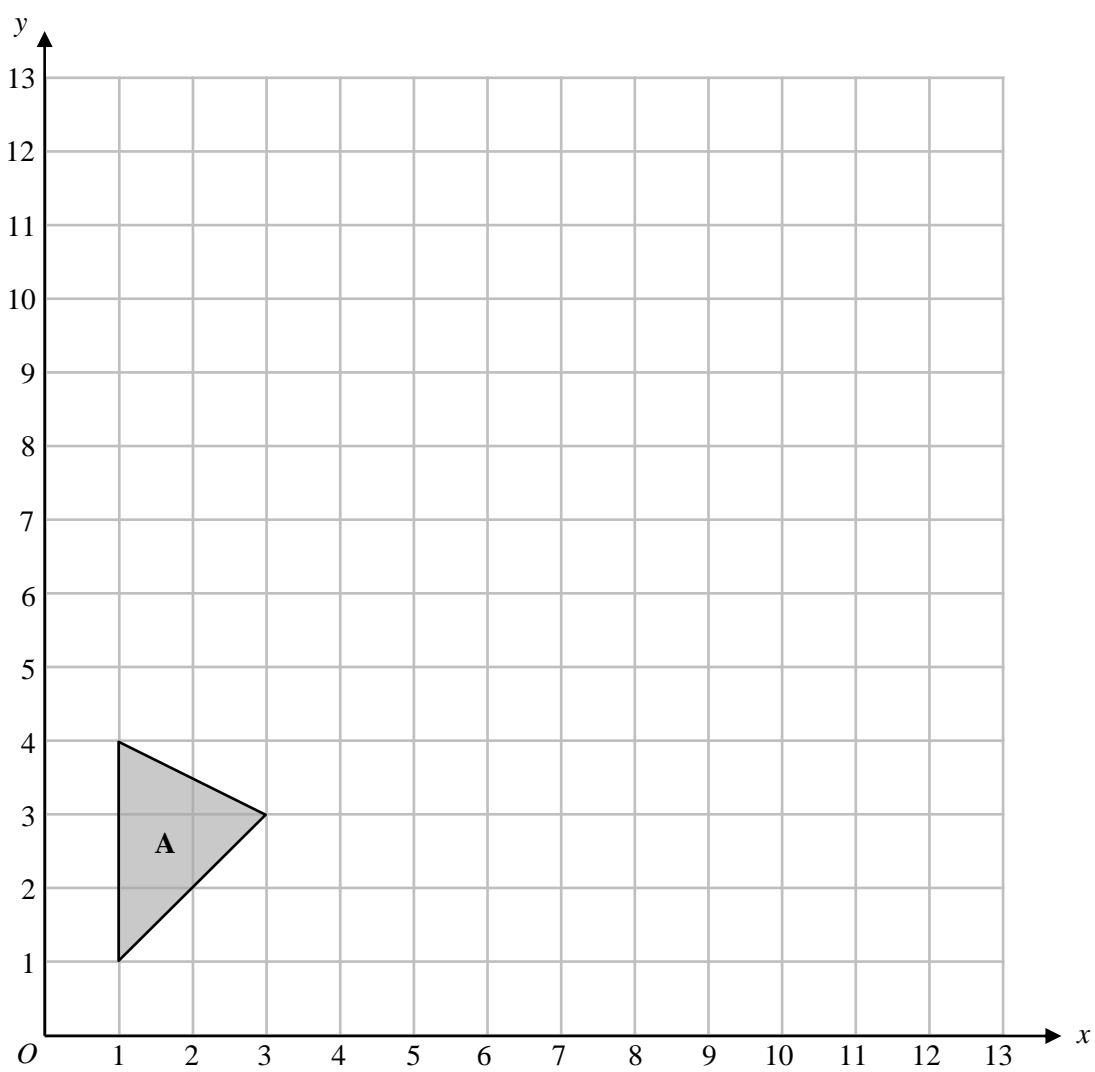
2 (a) Enlarge shape **A** by scale factor -3, centre (4, 14)

(2)

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

(2)

(Total for Question 2 is 4 marks)

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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)
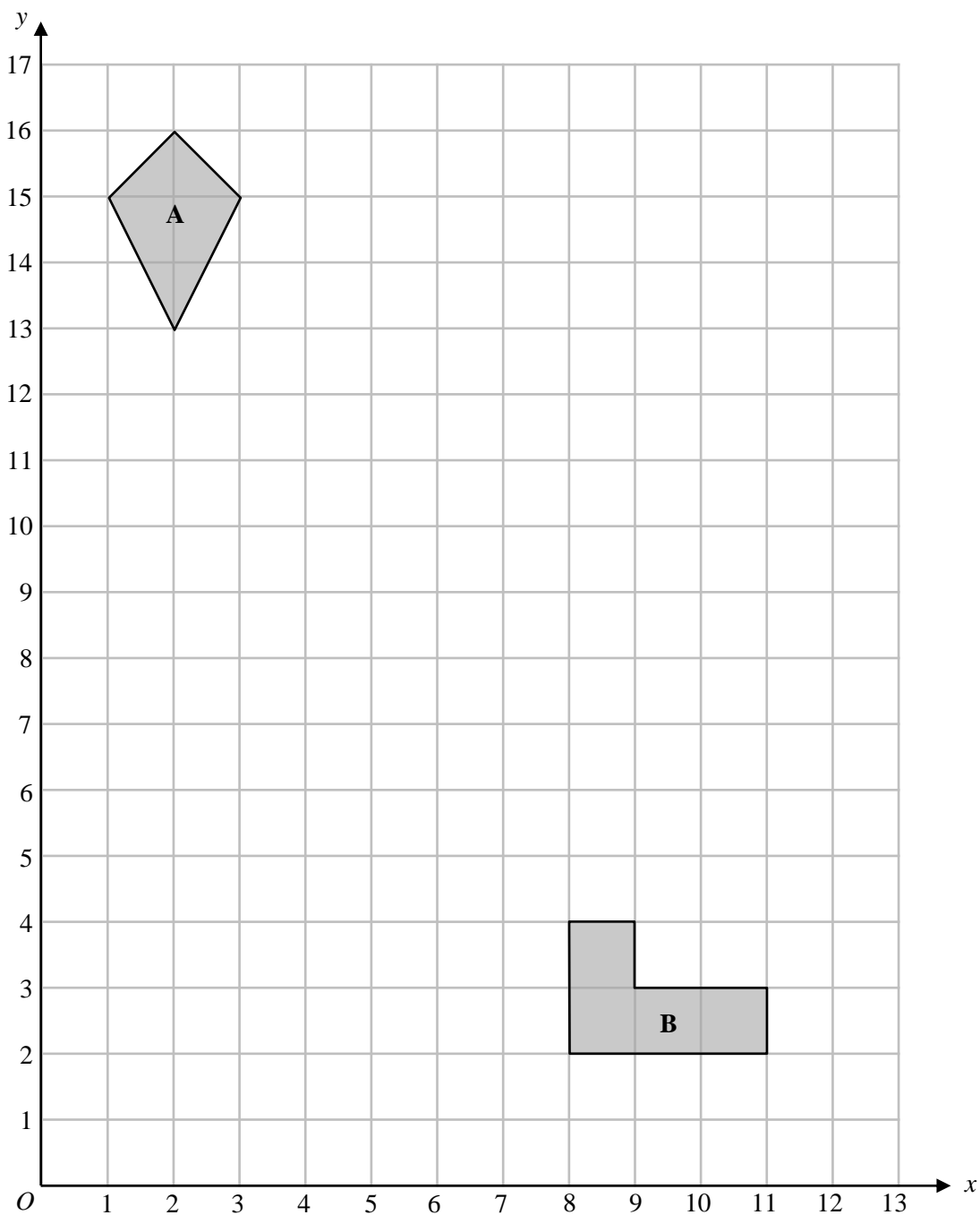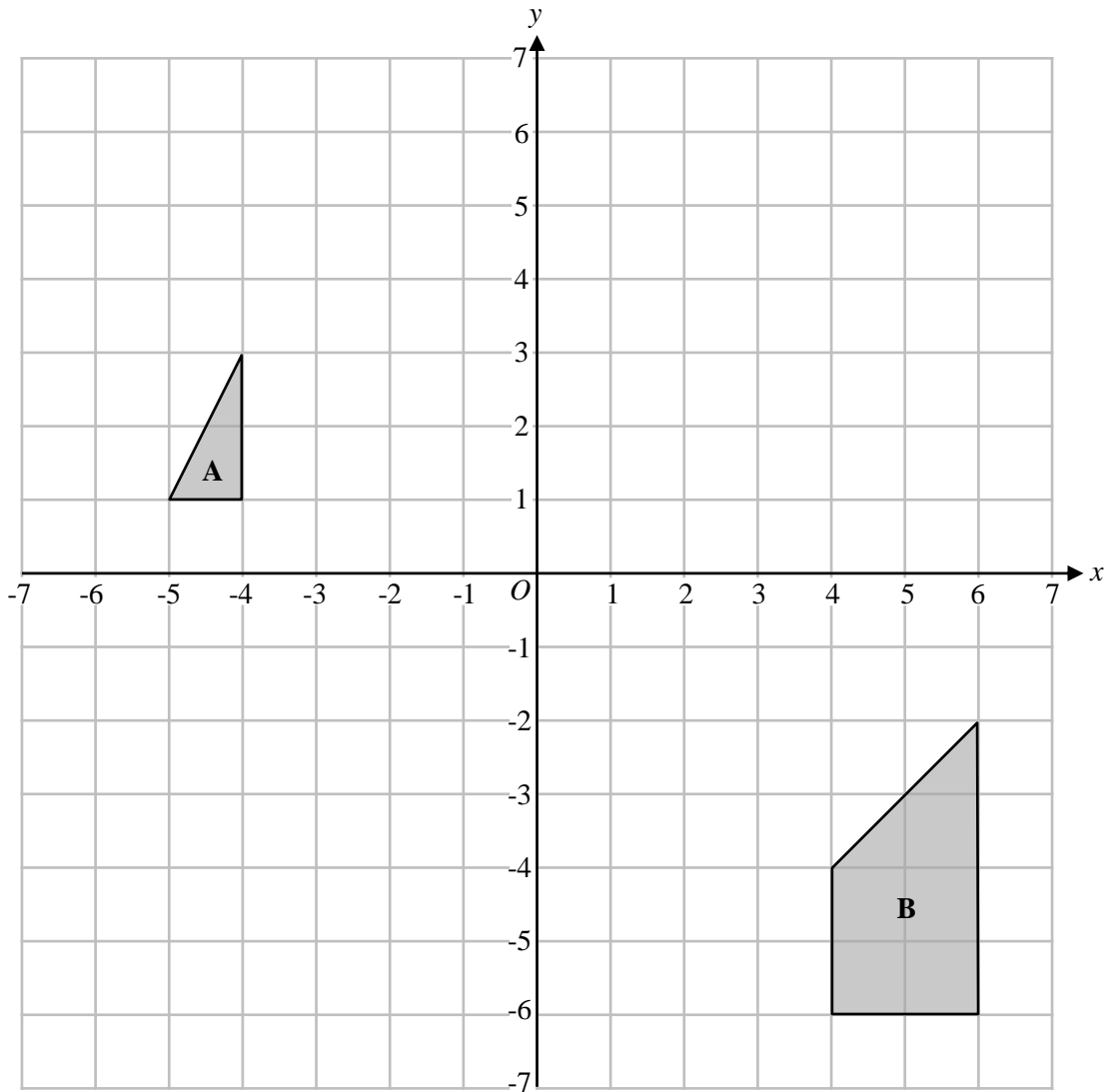
(2)

(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 $-\dfrac{1}{3}$, centre (-2, 0)

(2)
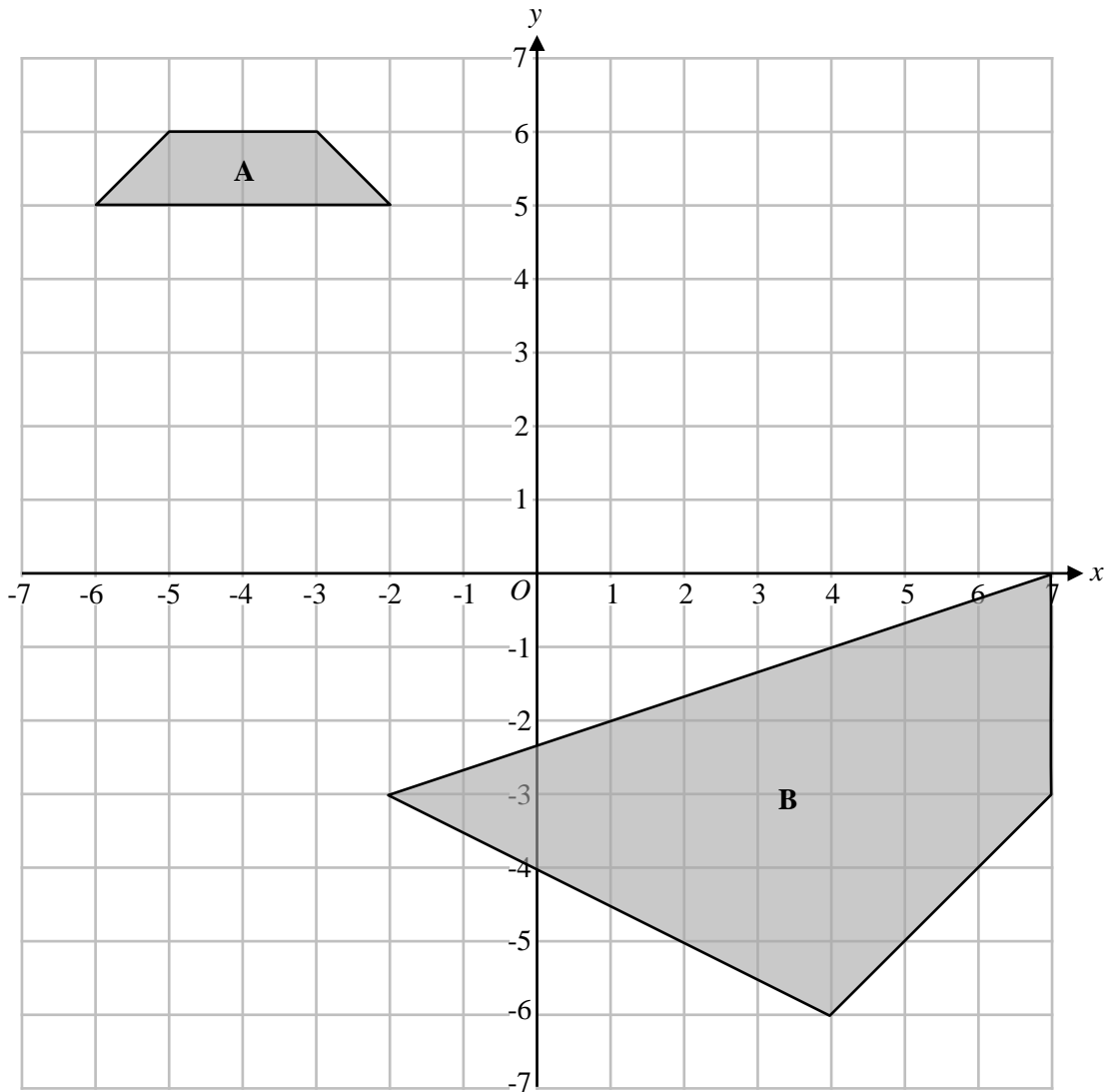
(Total for Question 4 is 4 marks)

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)
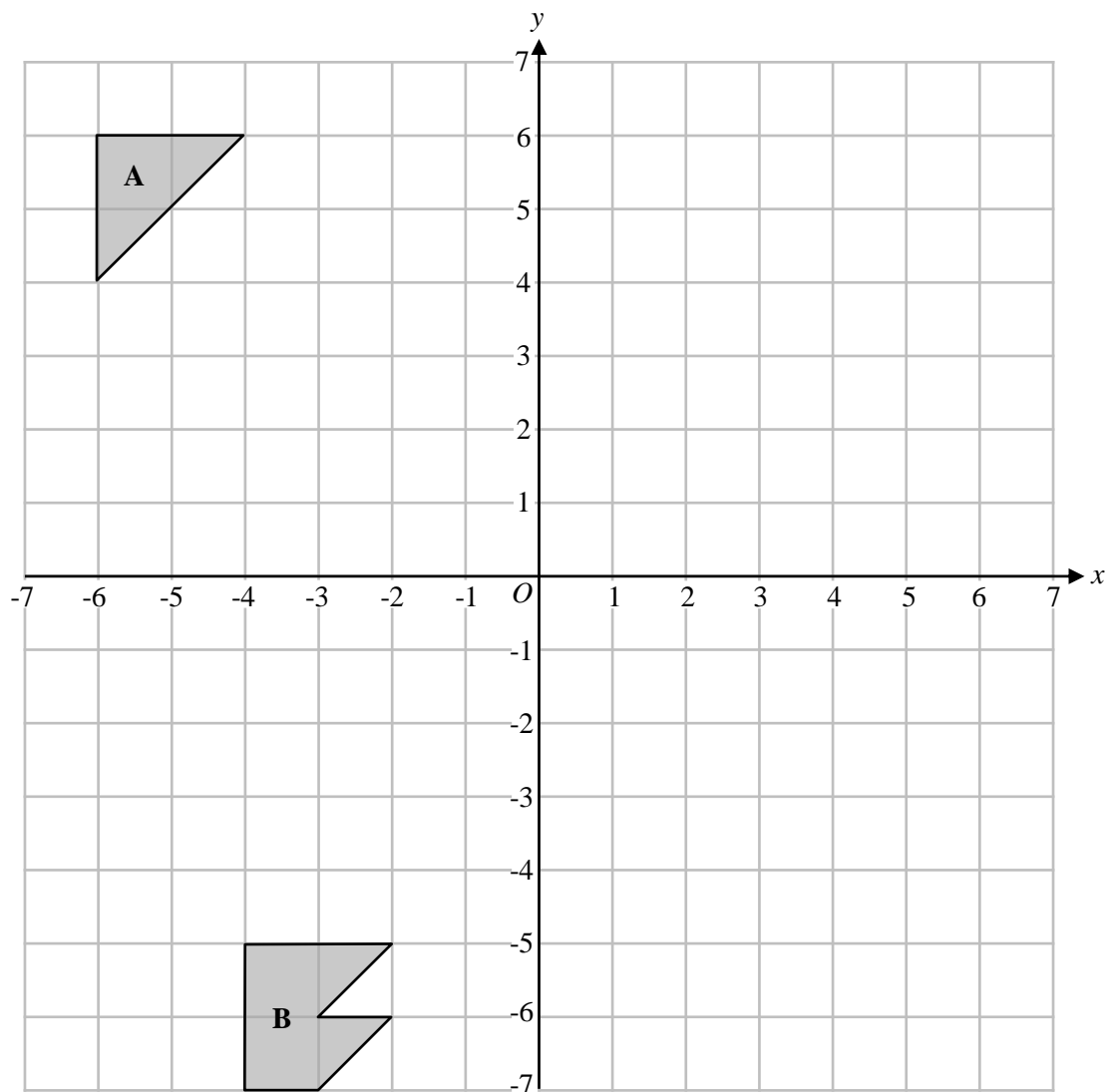
(Total for Question 5 is 4 marks)
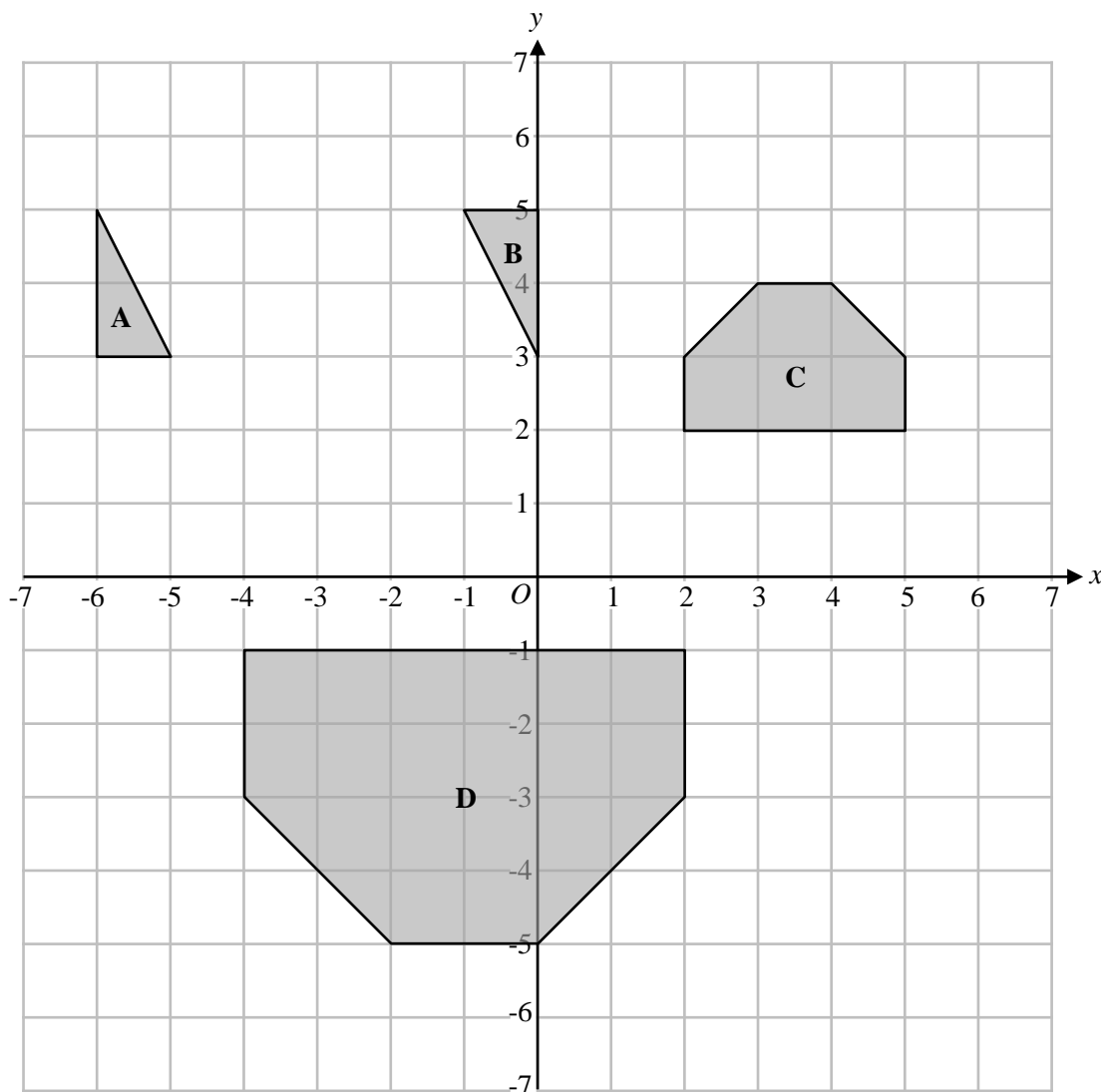
Solutions

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**.

....

....

(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)

Solutions

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**.

....

....
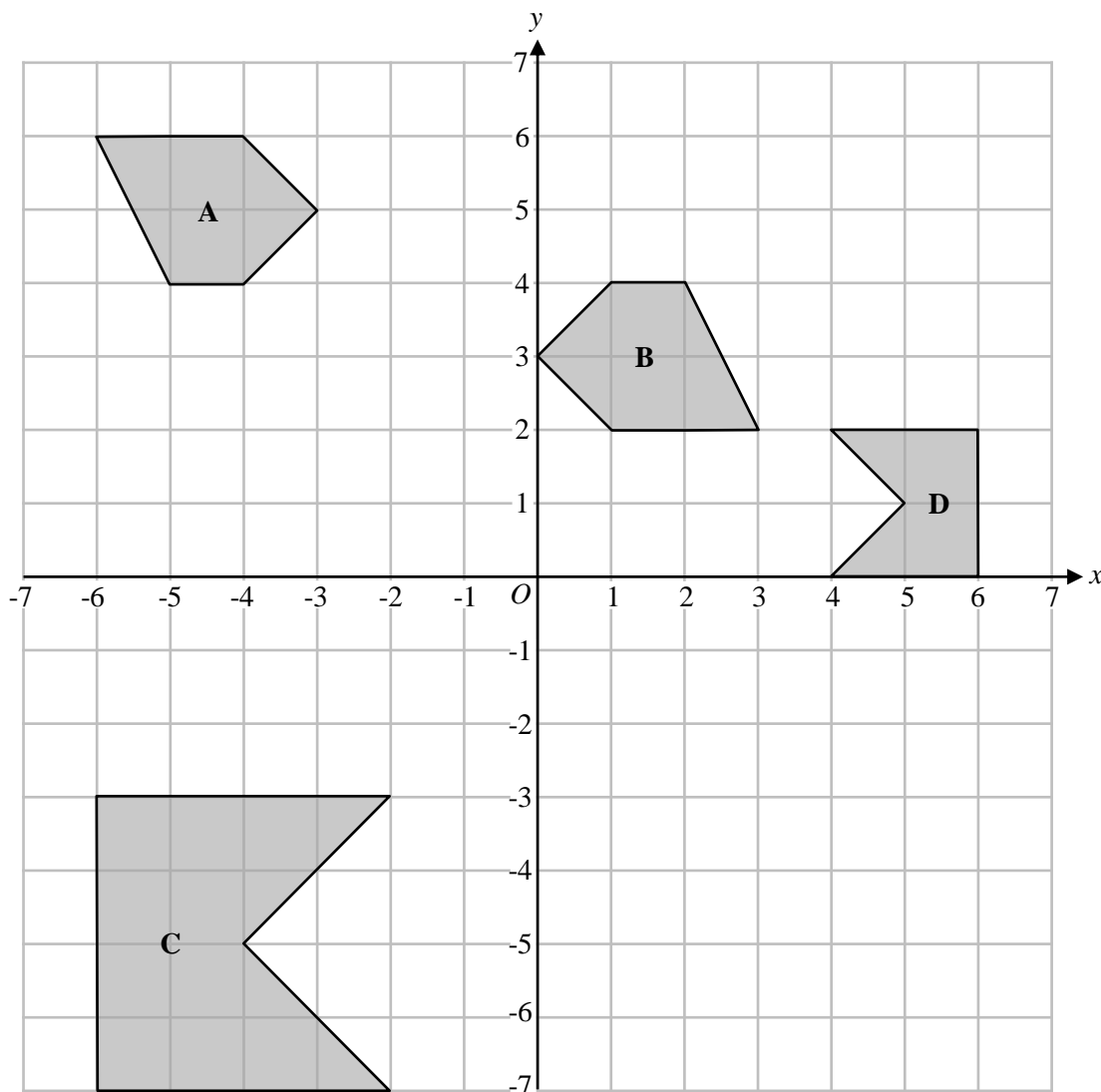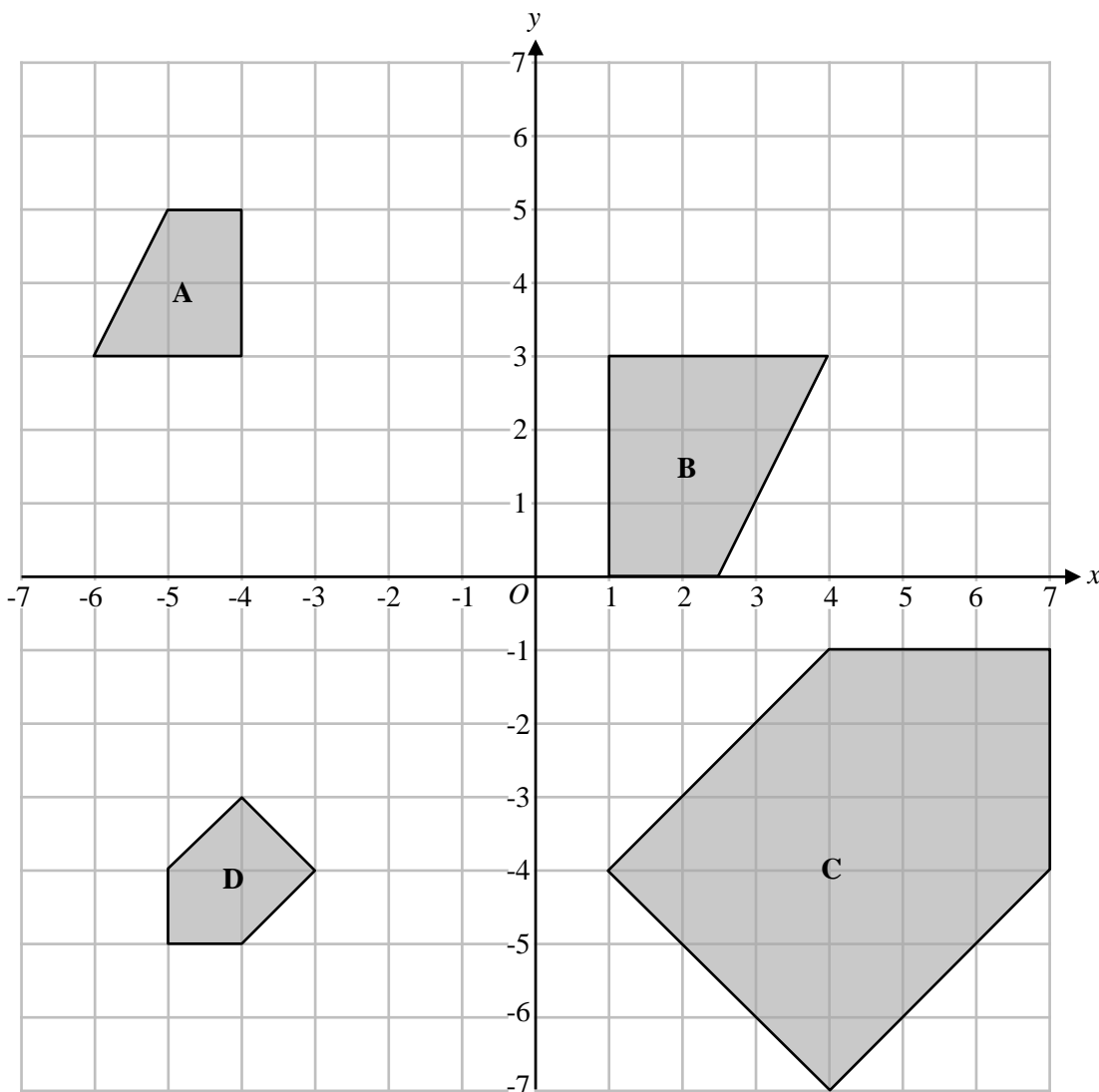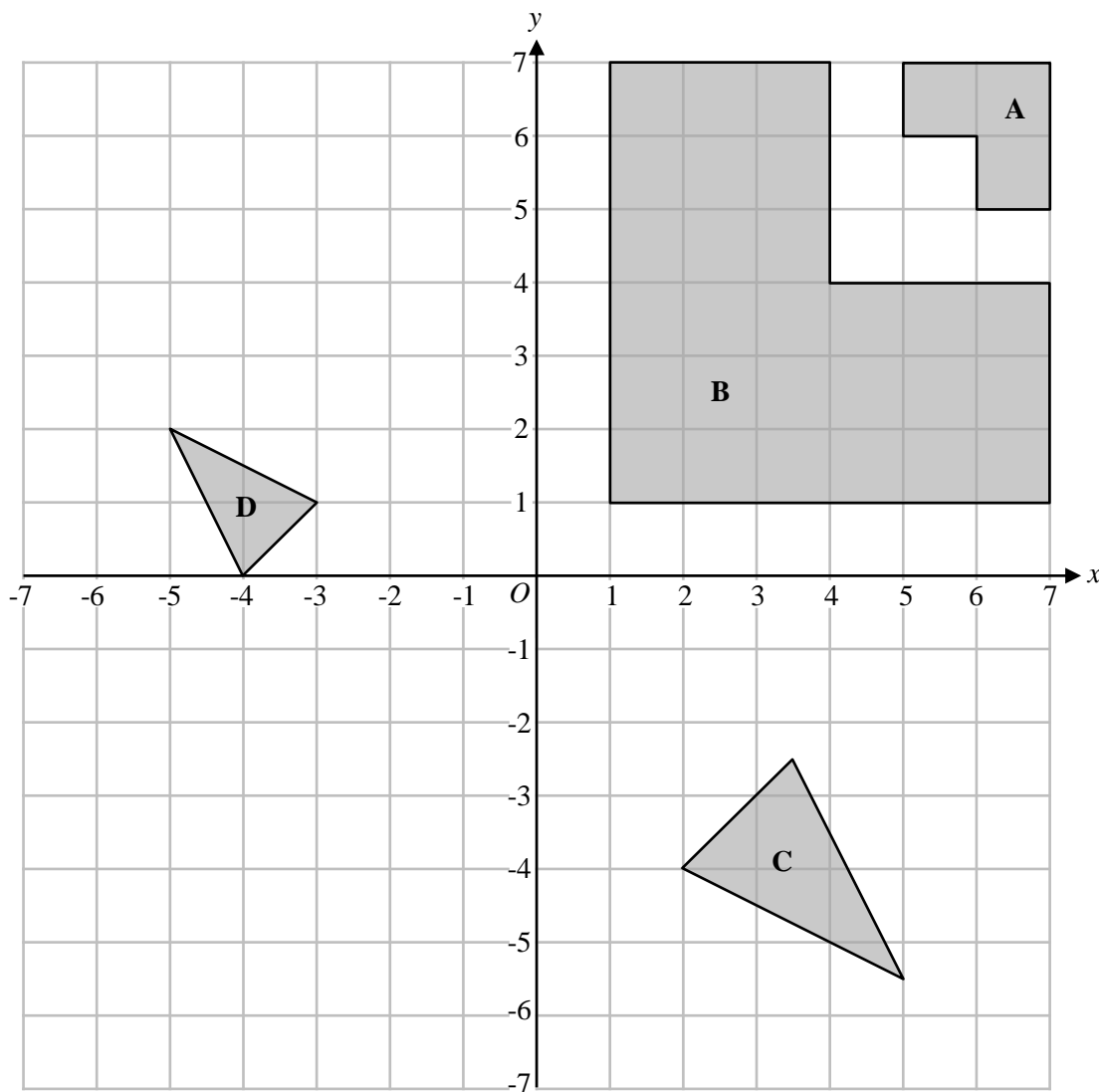
(2)

(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**.

....

....
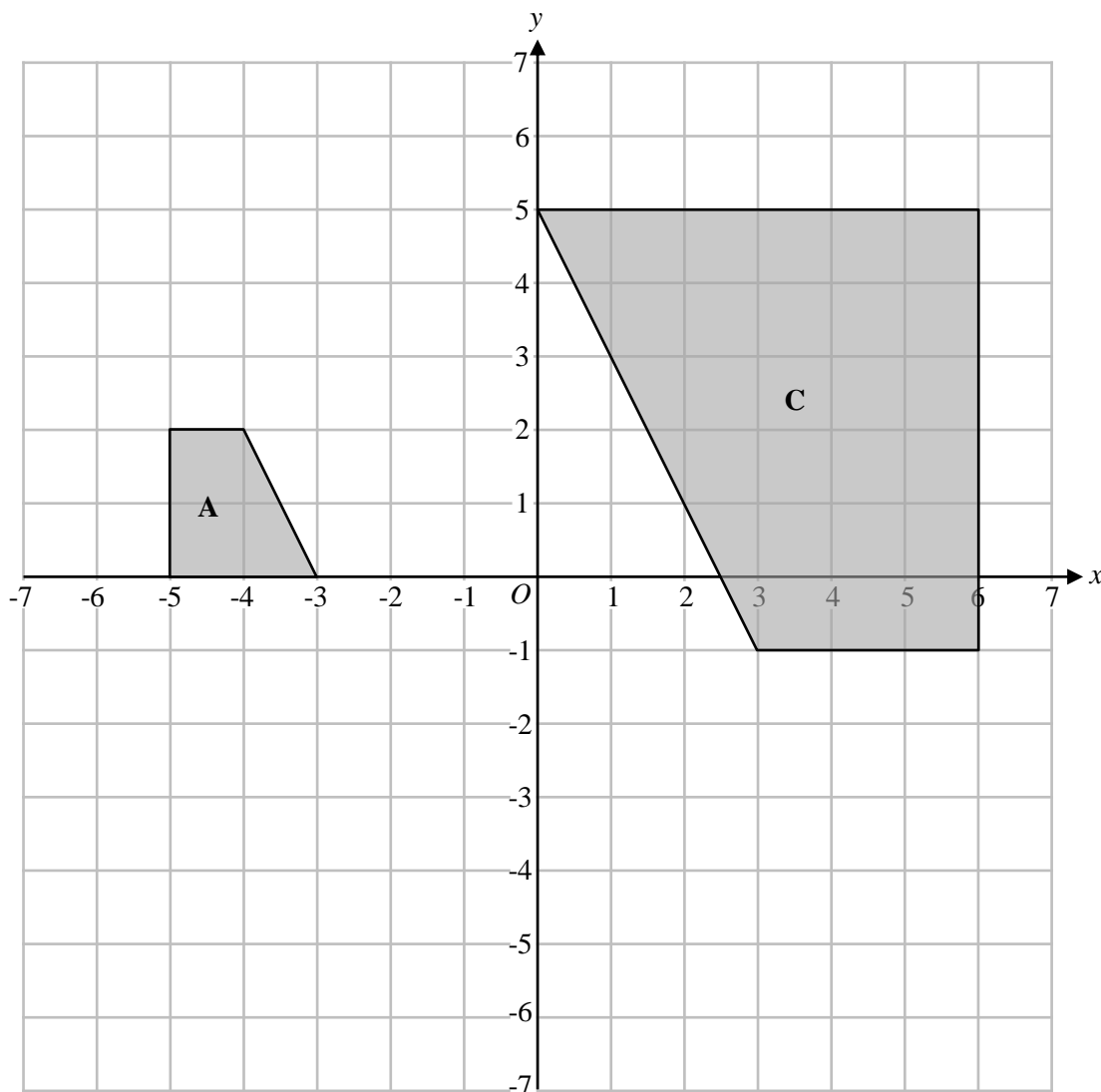
(2)

(Total for Question 9 is 4 marks)

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**.

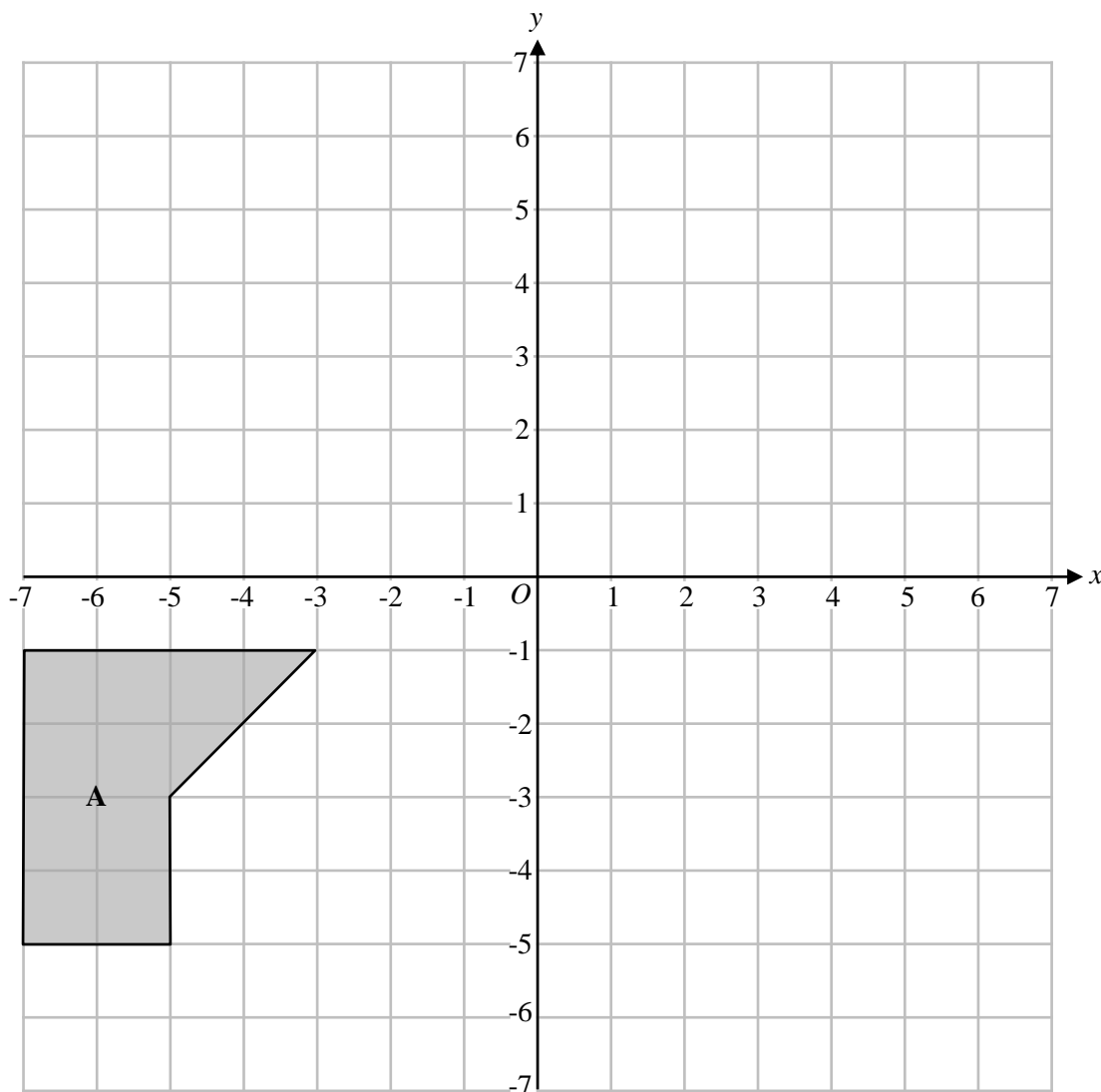Describe fully the single transformation that maps shape **B** onto shape **C**.

....

....

(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 **B** onto shape **C**.

....

....

(Total for Question 11 is 4 marks)

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