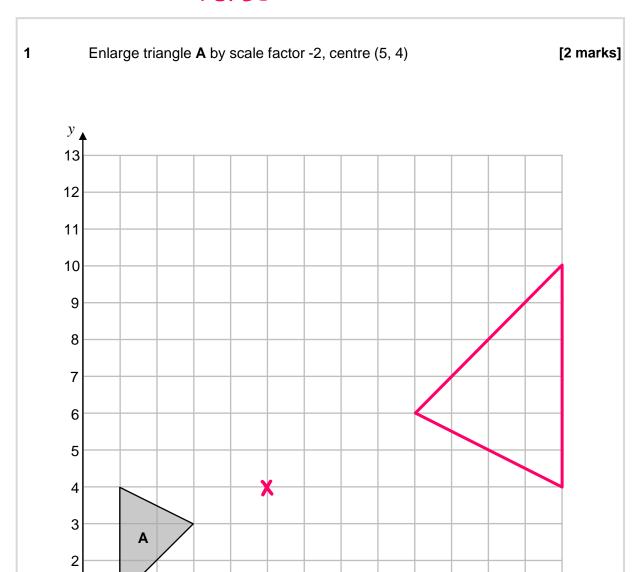


Enlargements (Negative SF)



REVISE THIS TOPIC







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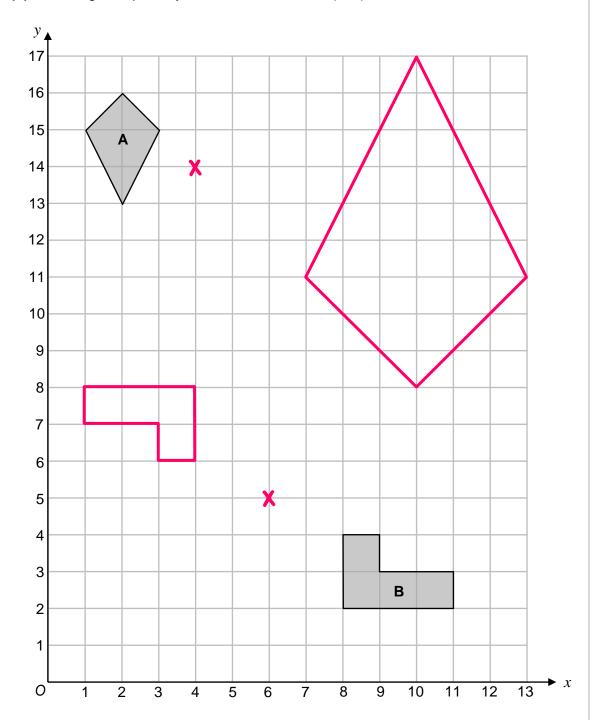


2 (a) Enlarge shape A by scale factor -3, centre (4, 14)

[2 marks]

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

[2 marks]

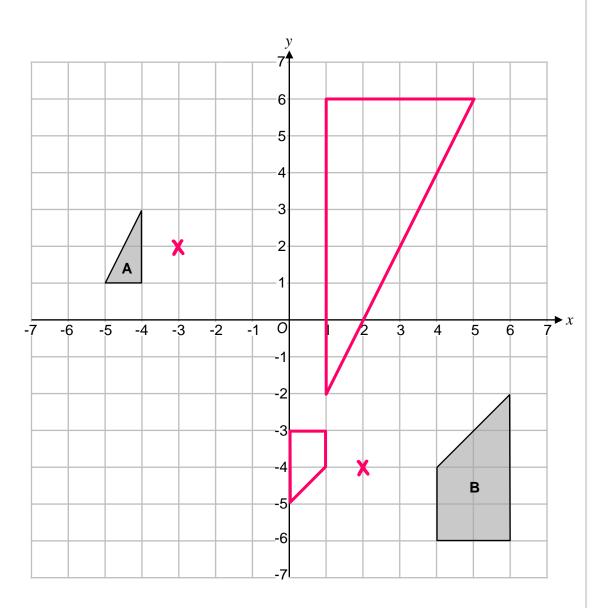






3 (a) Enlarge shape A by scale factor -4, centre (-3, 2) [2 marks]

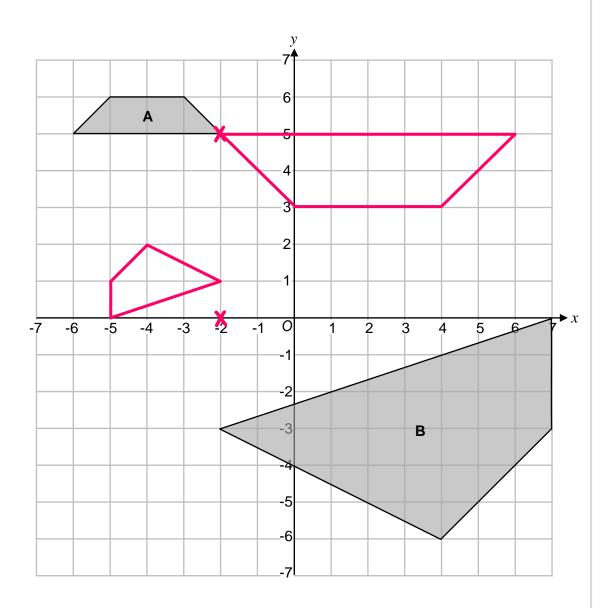
3 (b) Enlarge shape B by scale factor -0.5, centre (2, -4) [2 marks]





4 (a) Enlarge shape A by scale factor -2, centre (-2, 5) [2 marks]

4 (b) Enlarge shape **B** by scale factor $-\frac{1}{3}$, centre (-2, 0) [2 marks]



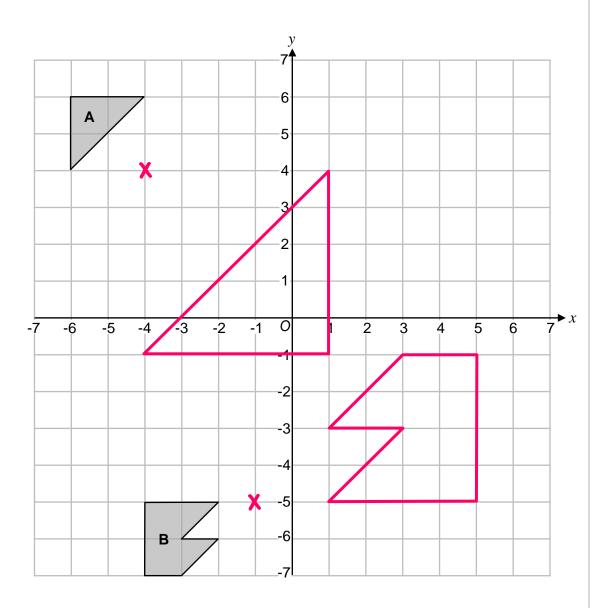




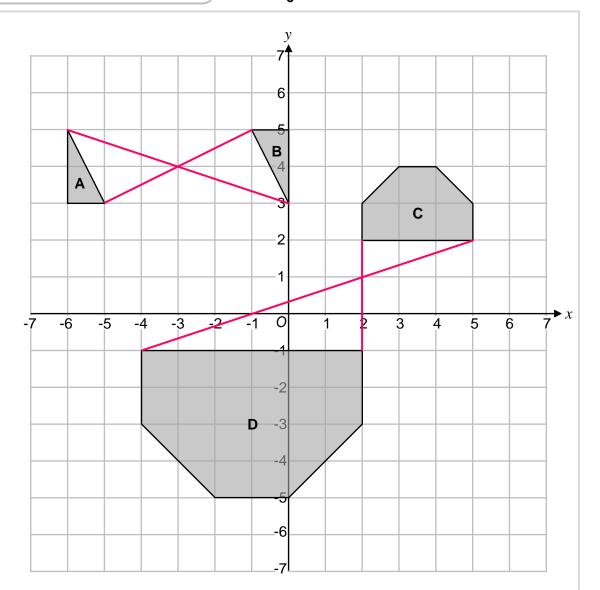
5 (a) Enlarge shape A by scale factor $-2\frac{1}{2}$, centre (-4, 4) [2 marks]

5 (b) Enlarge shape B by scale factor –2, centre (-1, -5) [2 marks]

5







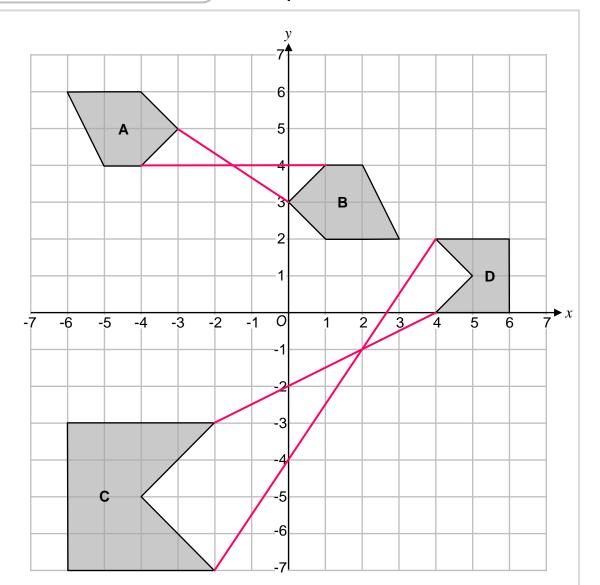
6 (a) Describe fully the single transformation that maps shape A onto shape B. [3 marks]

Enlargement, scale factor - 1 Centre of enlargement (-3,4)

6 (b) Describe fully the single transformation that maps shape C onto shape D. [3 marks]

Enlargement, scale factor - 2 Centre of enlargement (2,1)





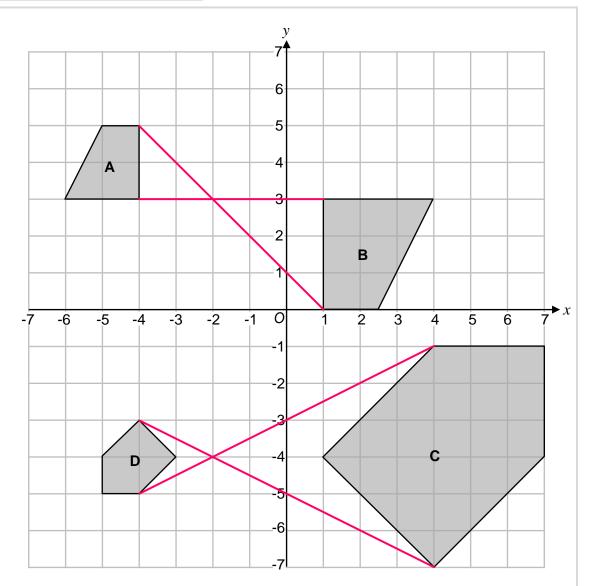
7 (a) Describe fully the single transformation that maps shape A onto shape B. [3 marks]

Enlargement, Scale factor - 1 Centre of enlargement (-15,4)

7 (b) Describe fully the single transformation that maps shape C onto shape D. [3 marks]

Enlargement, scale factor - ½ Centre of enlargement (2,-1)





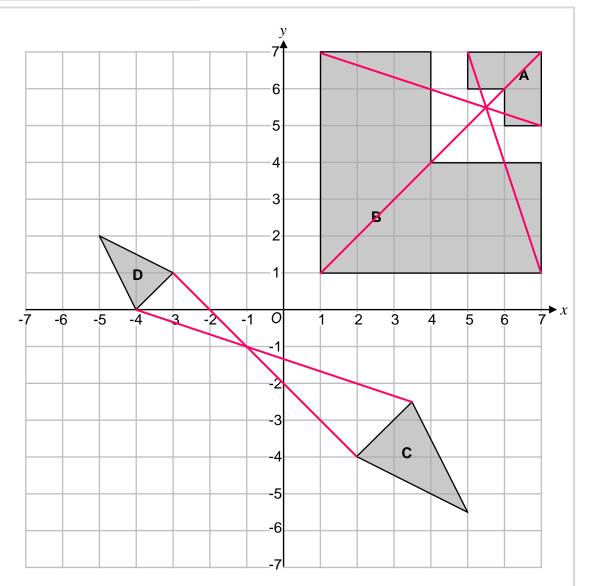
8 (a) Describe fully the single transformation that maps shape A onto shape B. [3 marks]

Enlargement, scale factor - 1/2 Centre of enlargement (-2,3)

8 (b) Describe fully the single transformation that maps shape C onto shape D. [3 marks]

Enlargement, scale factor - 1/3 Centre of enlargement (-2,-4)





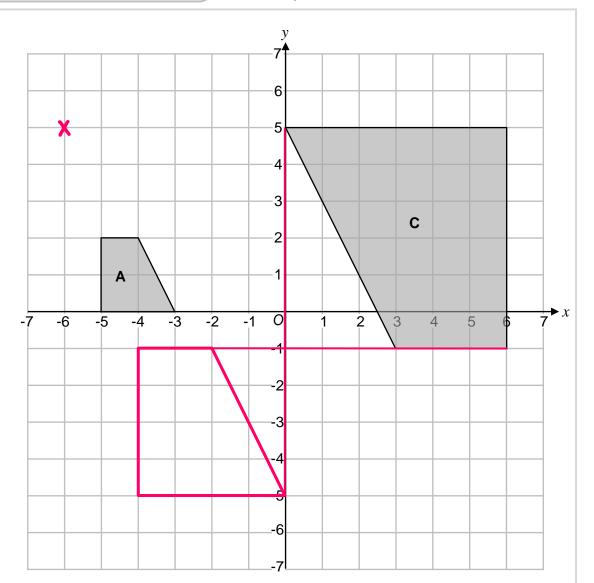
9 (a) Describe fully the single transformation that maps shape A onto shape B. [3 marks]

Enlargement, scale factor -3 Centre of enlargement (5.5,5.5)

9 (b) Describe fully the single transformation that maps shape C onto shape D. [3 marks]

Enlargement, Scale factor -23 Centre of enlargement (-1,-1)



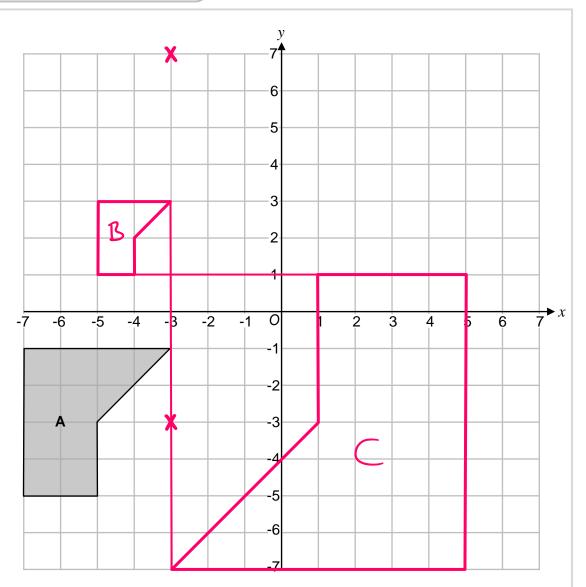


Shape **A** is enlarged by scale factor 2 with centre of enlargement (-6, 5) to shape **B**. Shape **B** is enlarged to shape **C**.

Describe fully the single transformation that maps shape **B** onto shape **C**. [4 marks]

Enlargement, Scale factor - 1/2 Centre of enlargement (0,-1)





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 ${\bf C}$ onto shape ${\bf B}$. [4 marks]

Enlargement, scale factor - 4 Centre of enlargement (-3,1)

