

Name: _____

GCSE (1 – 9)

Enlargements

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.**

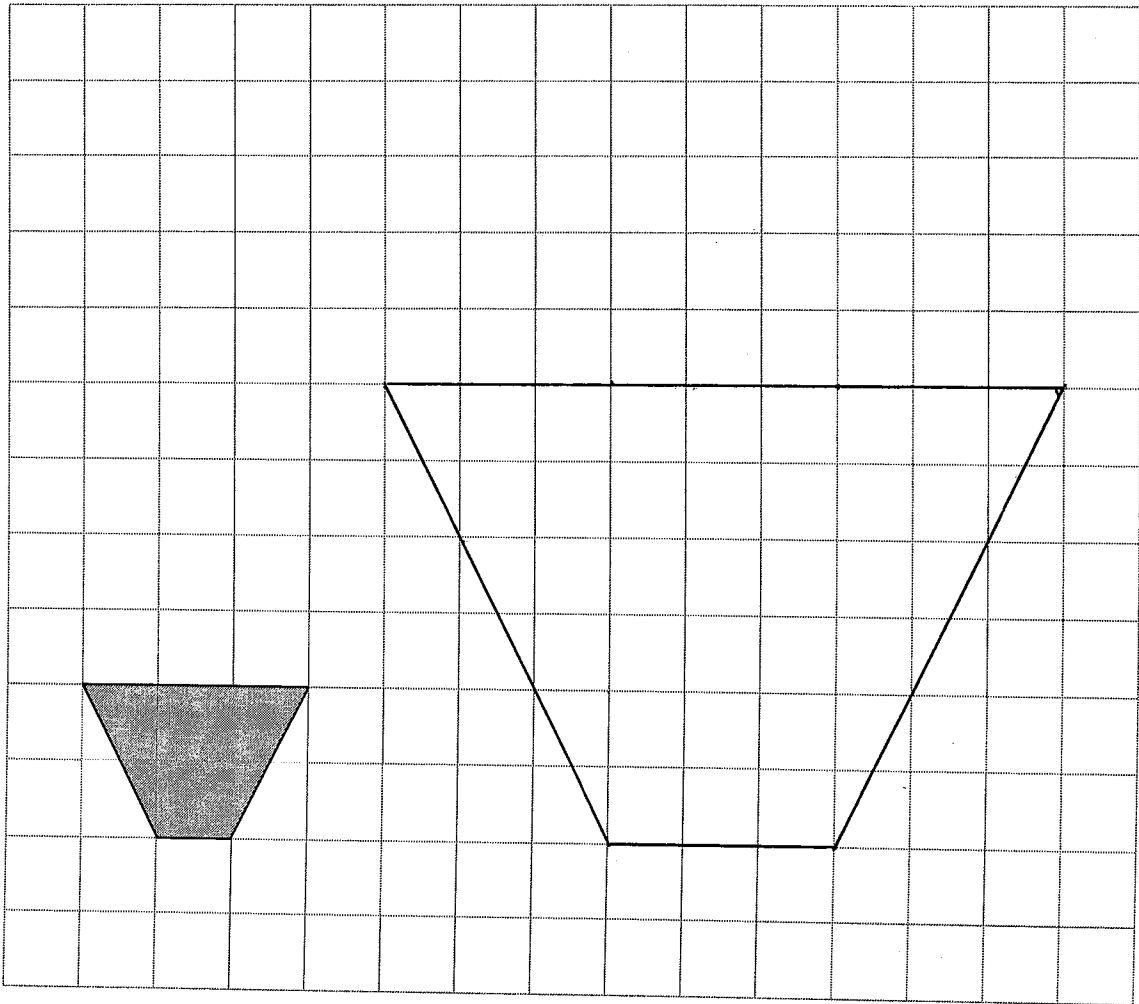
Information

- 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

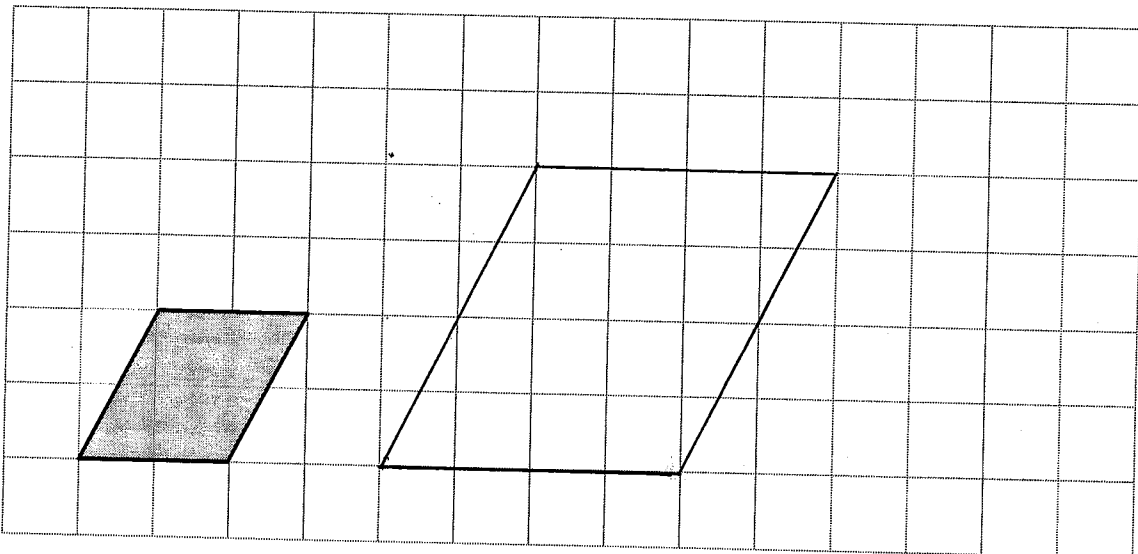
1



On the grid draw an enlargement of the shaded shape with scale factor 3

(Total for question 1 is 2 marks)

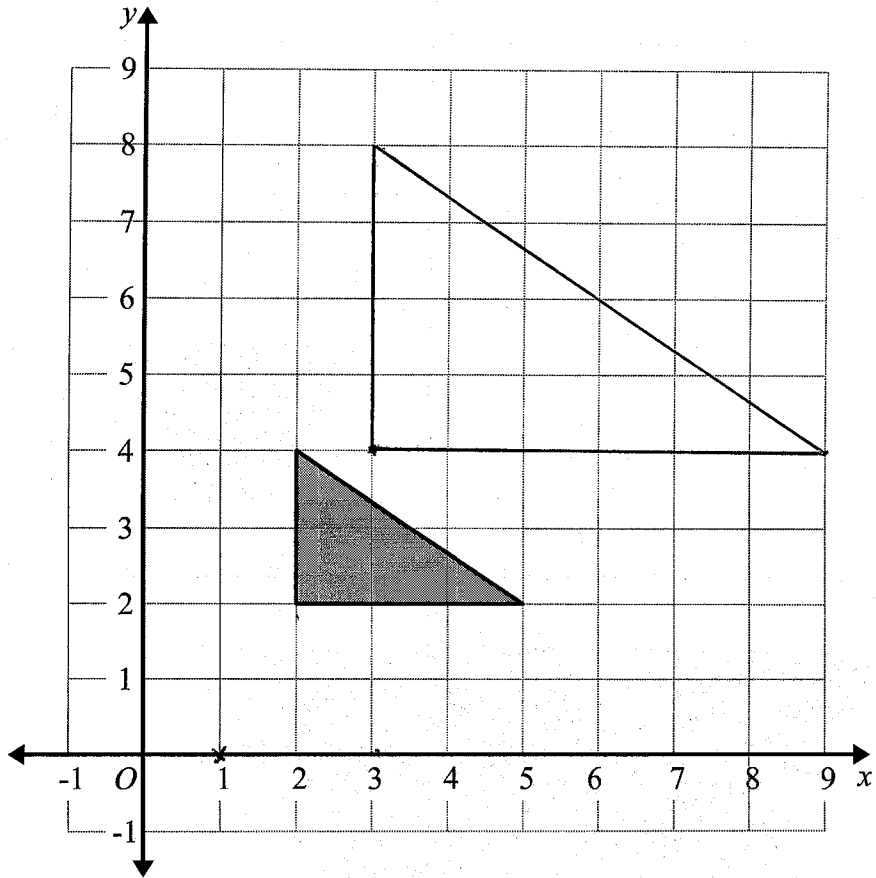
2



On the grid draw an enlargement of the shaded shape with scale factor 2

(Total for question 2 is 2 marks)

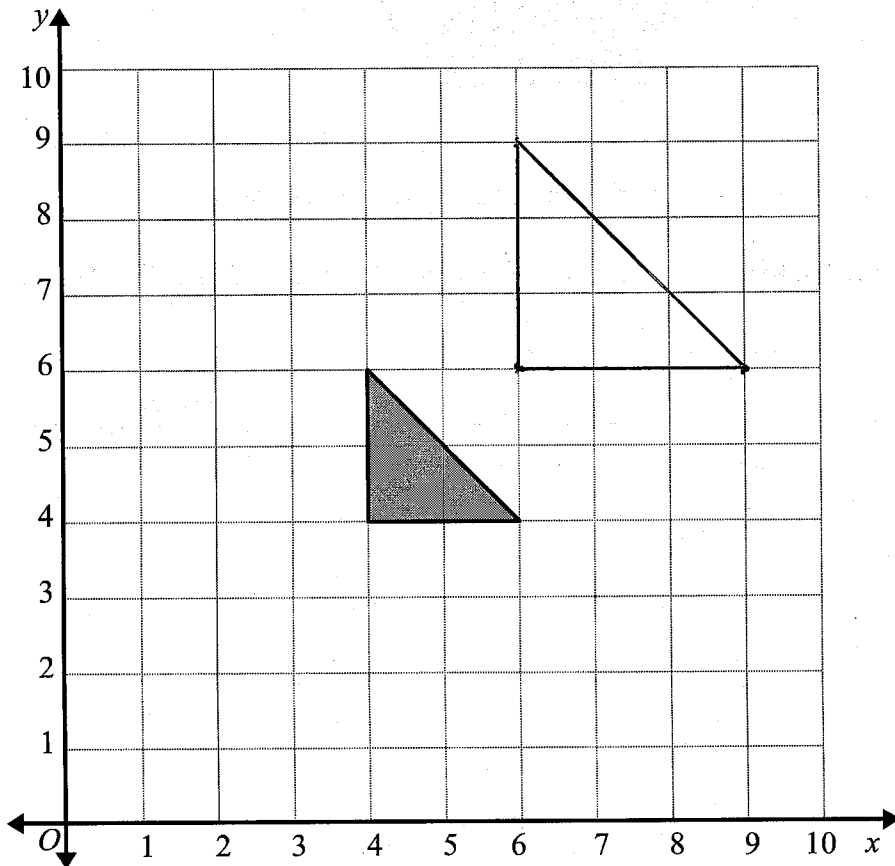
3



Enlarge the shaded triangle by scale factor 2, centre $(1, 0)$

(Total for question 3 is 2 marks)

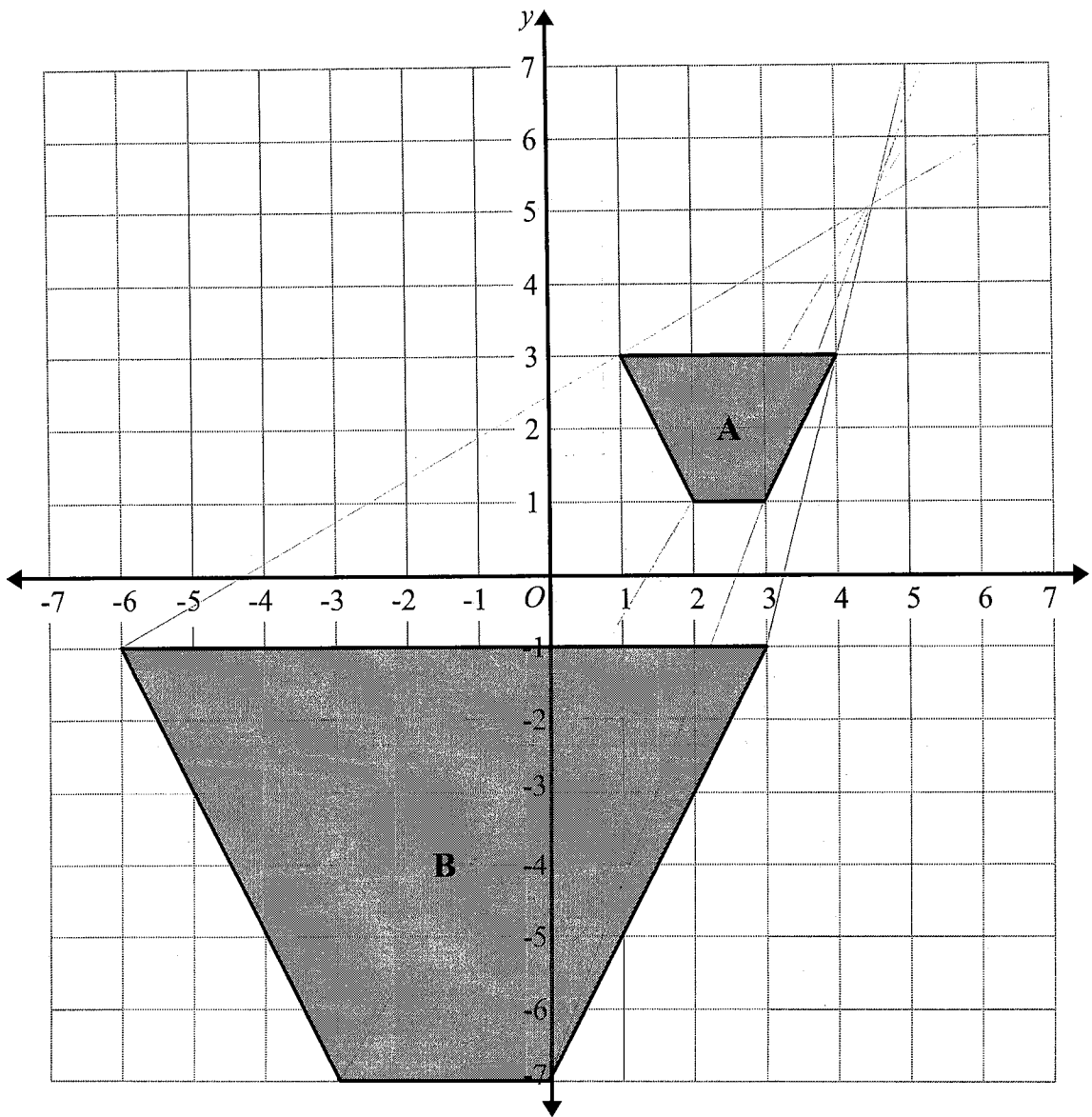
4



Enlarge the shaded triangle by scale factor 1.5, centre O .

(Total for question 4 is 2 marks)

5

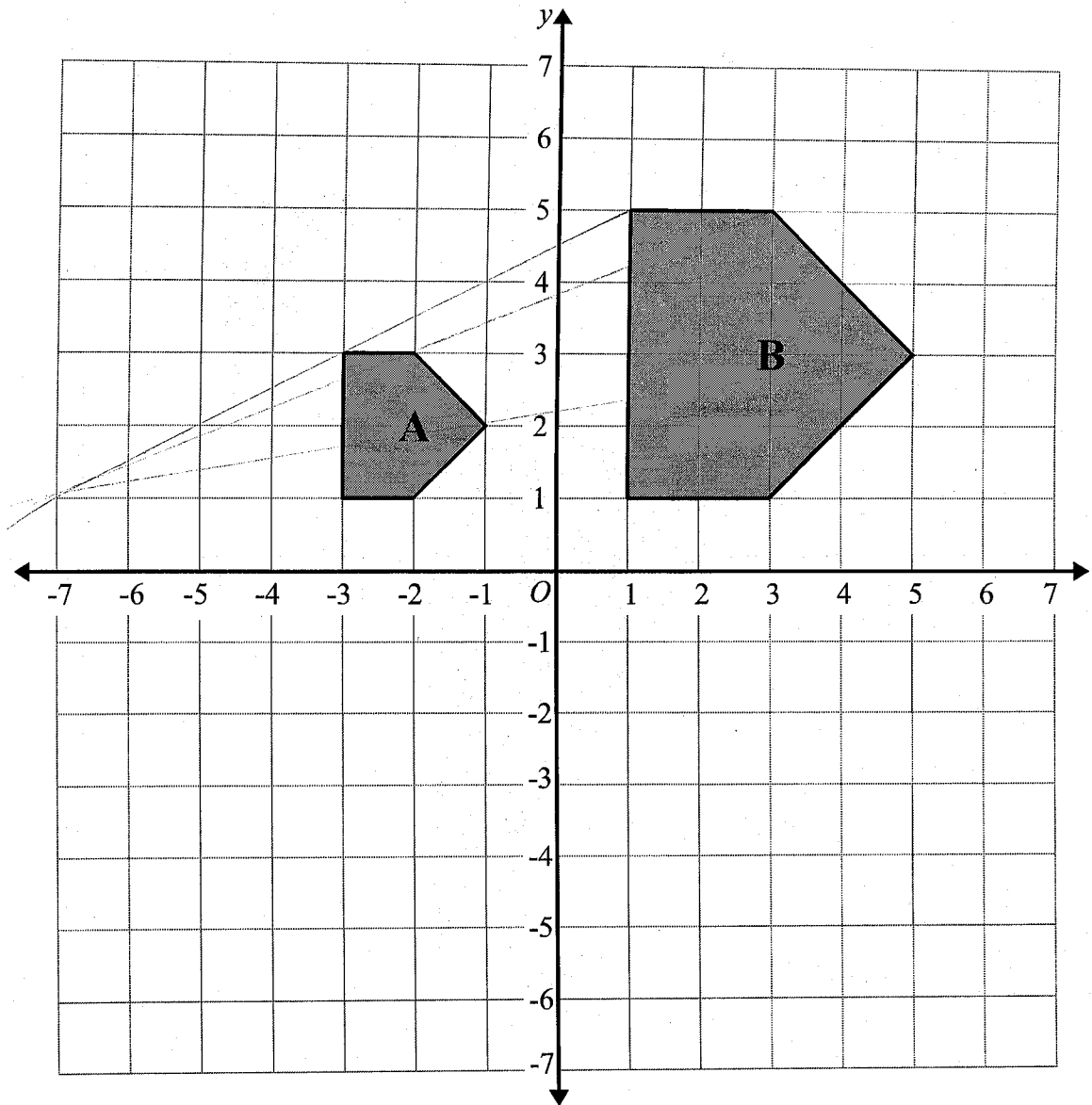


Describe fully the single transformation that maps shape A onto shape B.

..... Enlargement, Scale factor 3, centre (4.5, 5)

.....

(Total for question 5 is 2 marks)

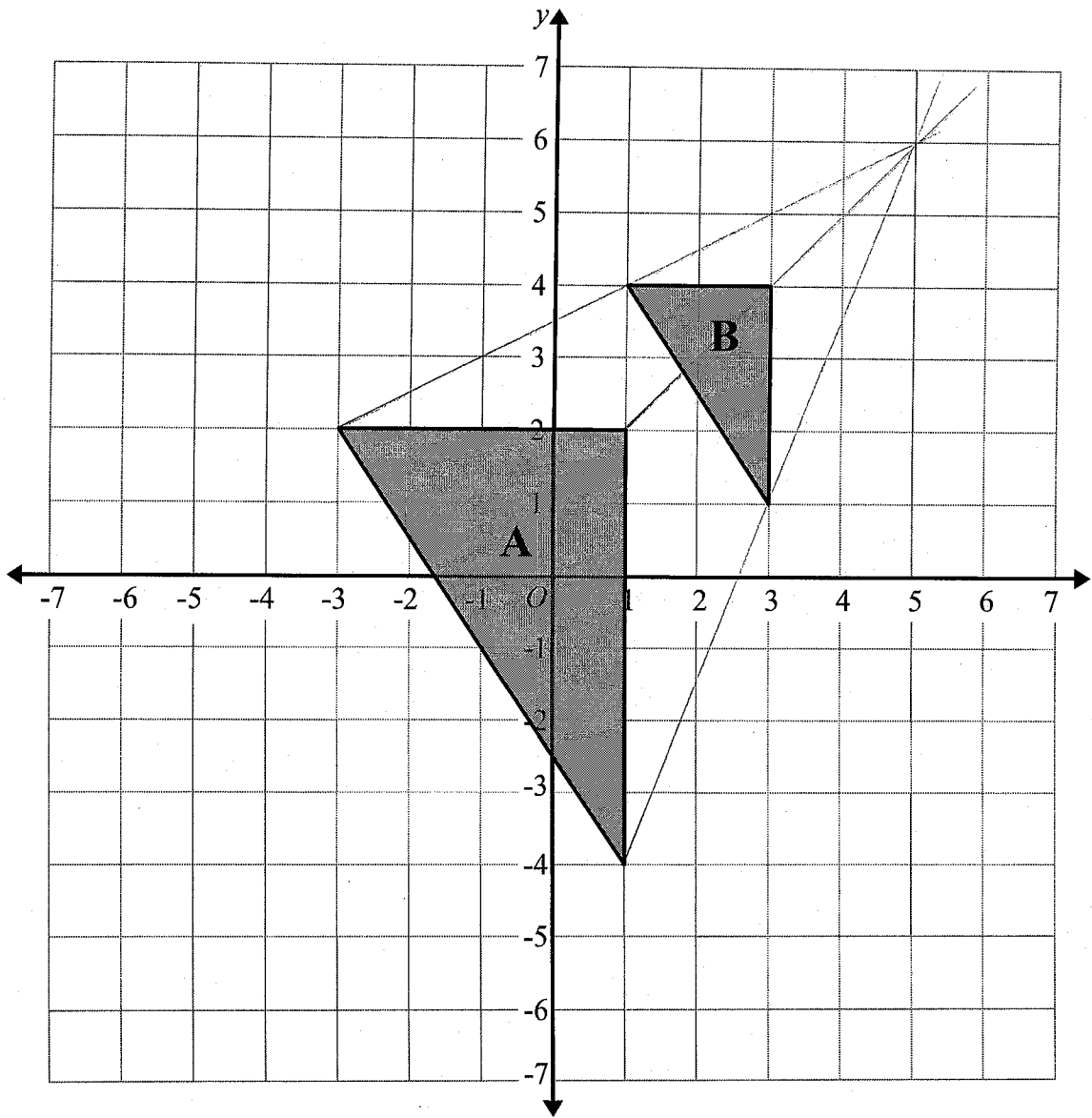


Describe fully the single transformation that maps shape A onto shape B.

..... Enlargement, scale factor 2, centre (-7, 1)

.....

(Total for question 6 is 2 marks)



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

.....Enlargement, scale factor $\frac{1}{2}$, centre (5, 6).....

(Total for question 7 is 2 marks)