Name: _____

ASM Tuition Academy

Negative Enlargement and Combined Transformations

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 you're working out.**

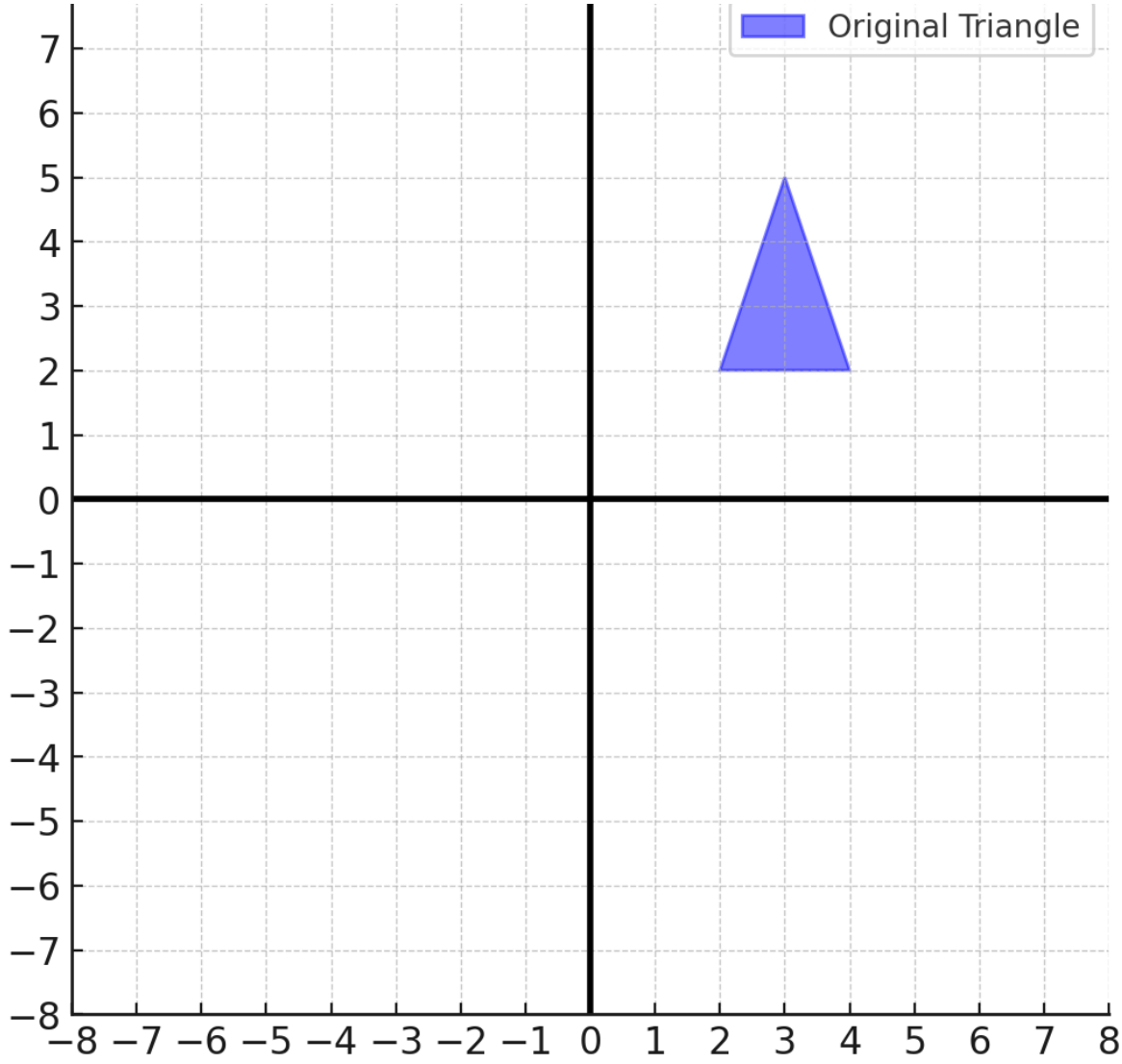
Information:

- 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:

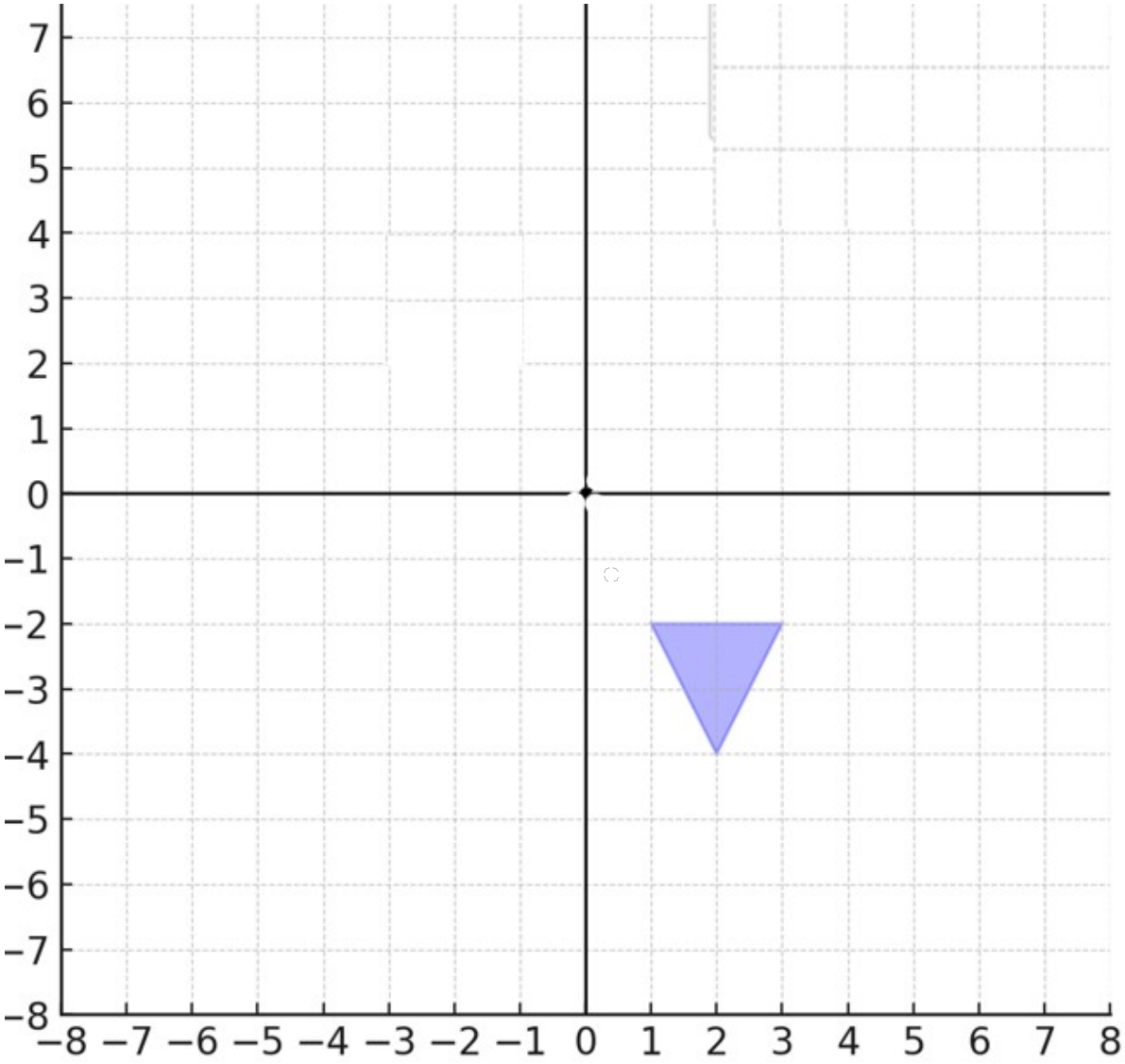
- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1- On the Grid, enlarge the triangle by the scale factor -1, centre (0,1)



(Total for this Question 1 is 2 marks)

Q2- On the Grid, enlarge the triangle by the scale factor -1, centre O

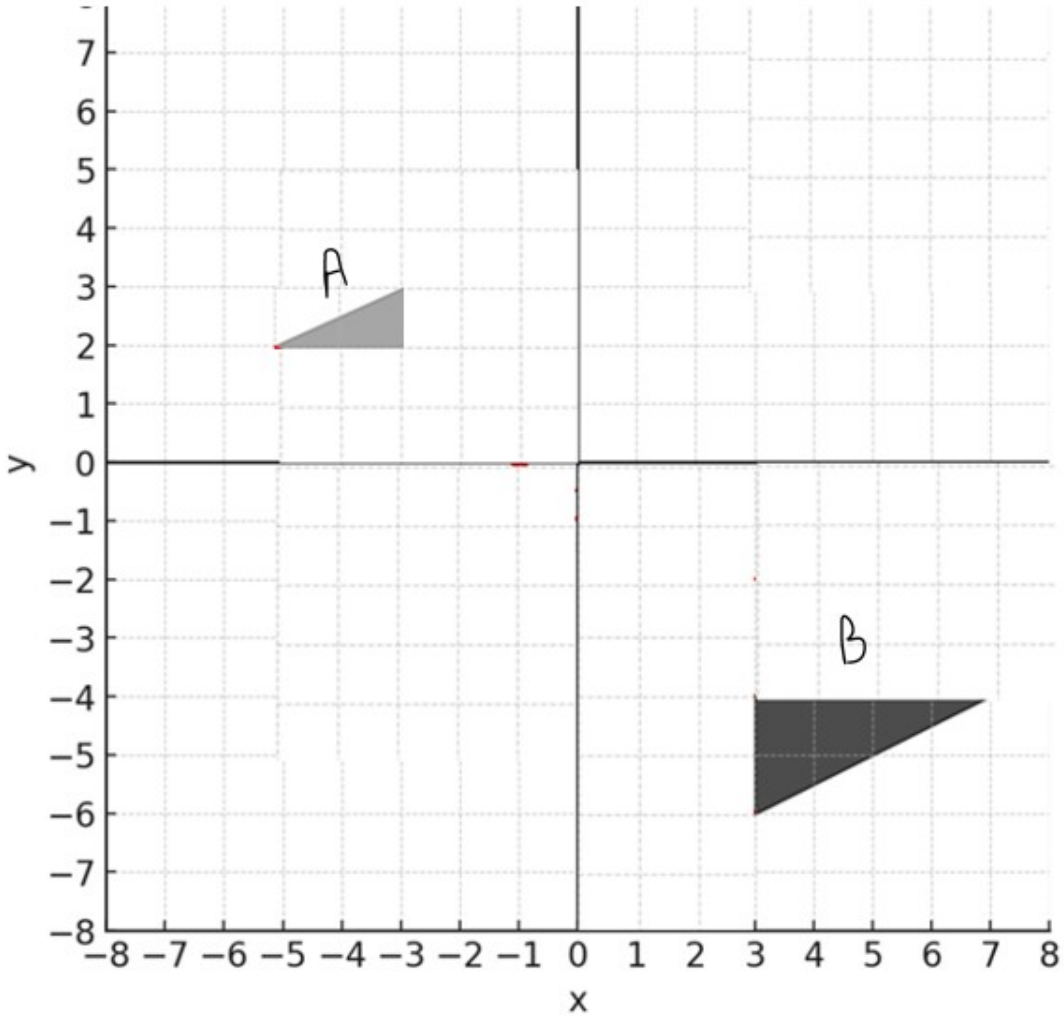


(Total for this Question 2 is 2 marks)

Q3- On the Grid, enlarge the triangle shape by the scale factor -2, centre (4,-4)

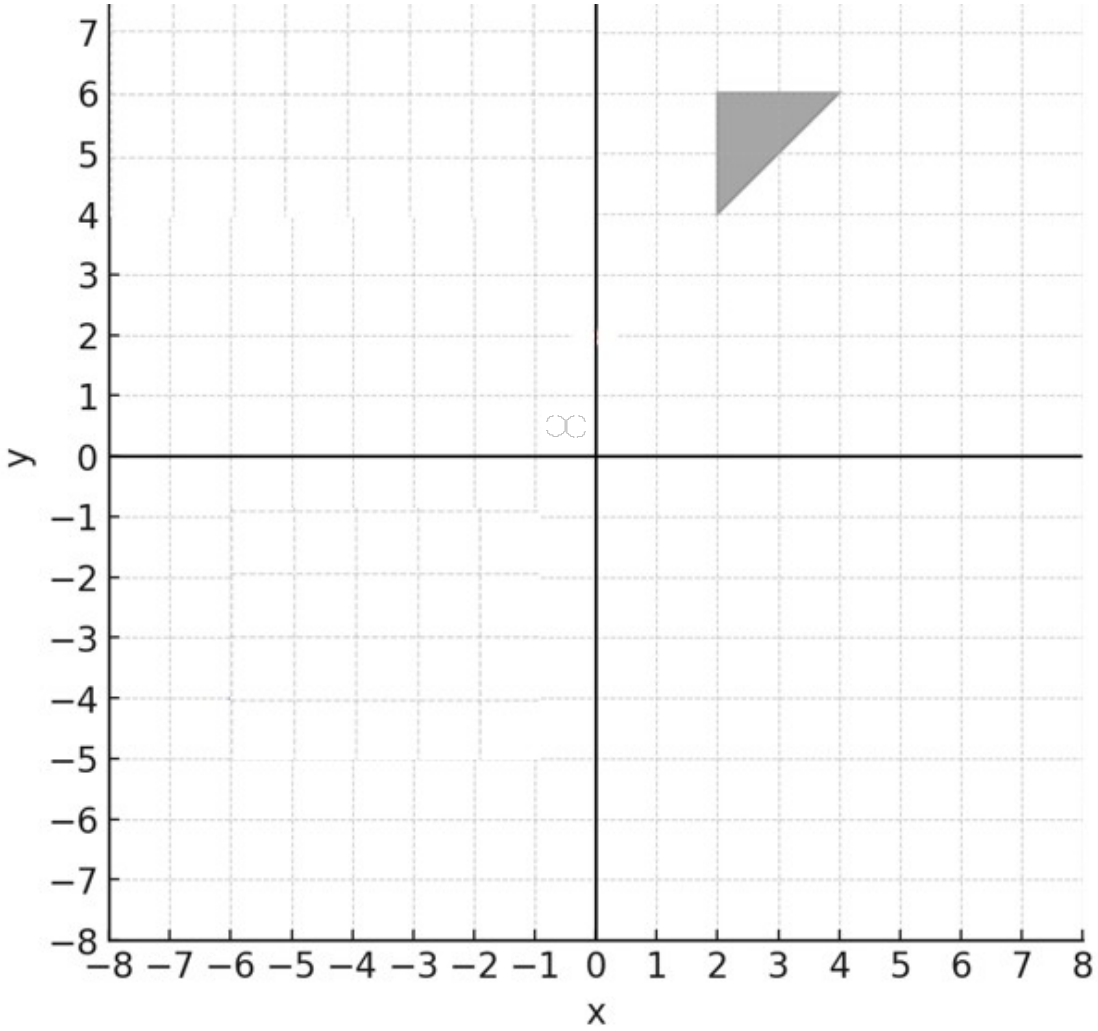
(Total for this Question 3 is 2 marks)

Q4- Fully describe the single transformation which maps the shape A onto the shape B.



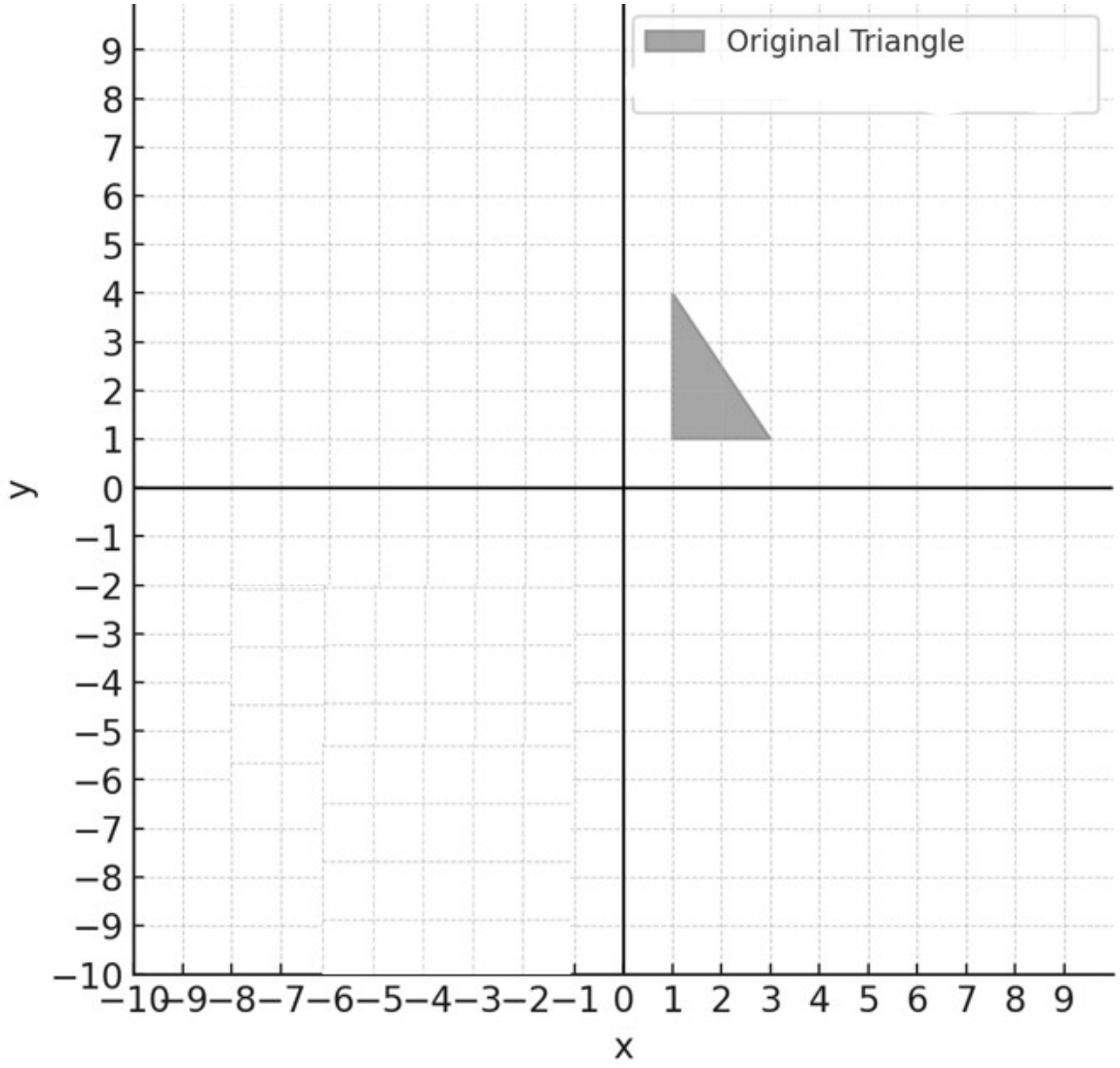
(Total for this Question 4 is 2 marks)

Q5- On the grid, enlarge the triangle shape by scale factor -1.5. centre (0,2)



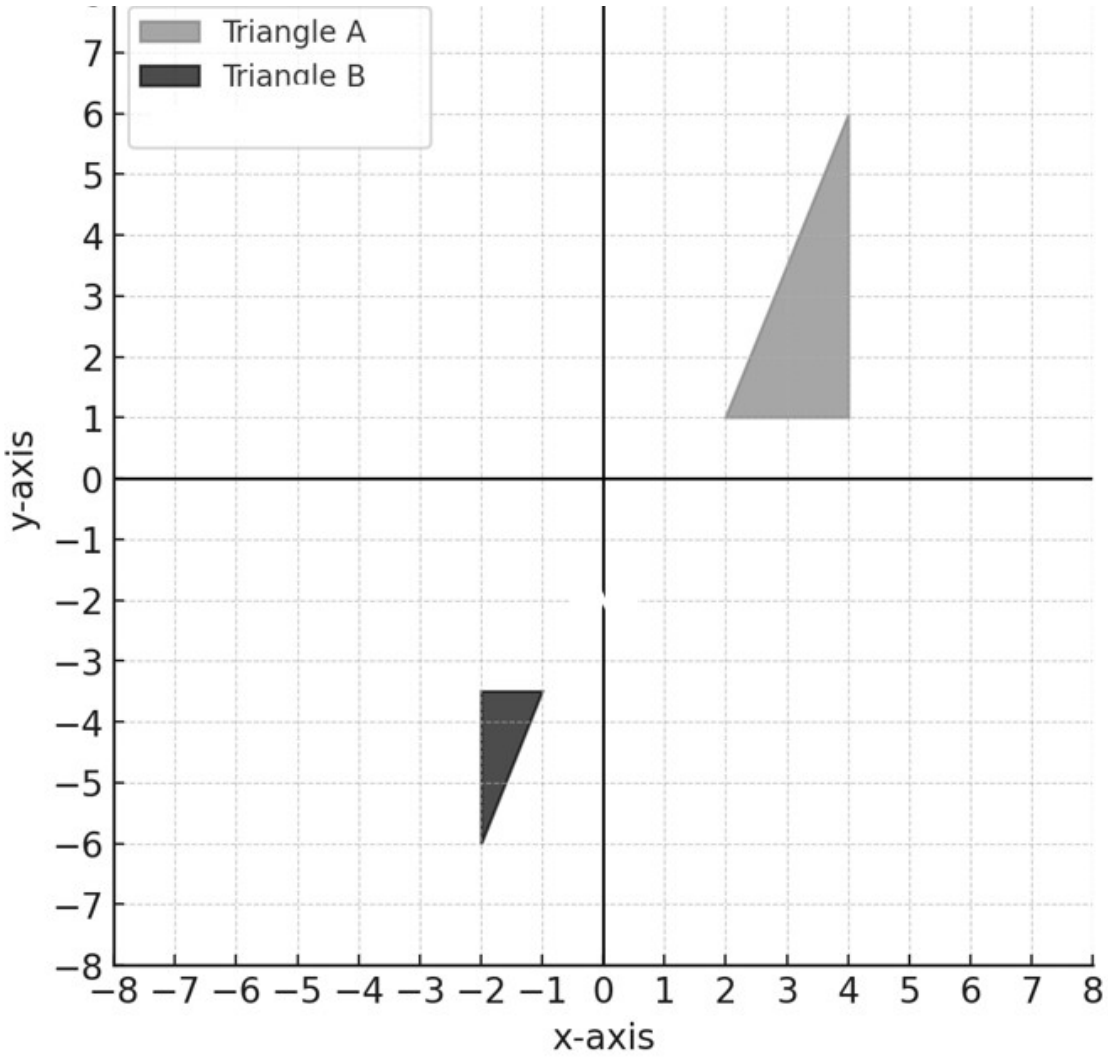
(Total for Question 5 is 2 marks)

Q6- On the grid, enlarge the triangle shape by scale factor -2.5. centre O.



(Total for Question 6 is 2 marks)

Q7- Describe fully the single transformation which maps triangular shape A onto triangular shape B.



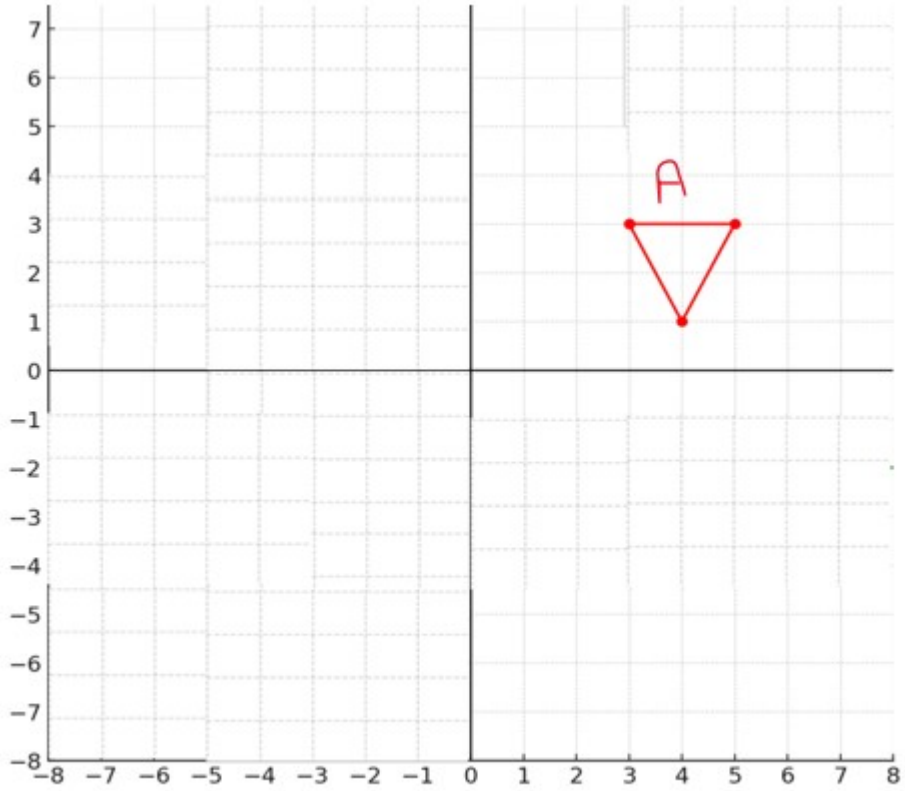
(Total for Question 7 is 2 marks)

Q8-

Triangle A is reflected in line x = -1 to give Triangle B.

Triangle B is reflected in the line y = -2 to give Triangle C.

Describe the single transformation that will map Triangle A to Triangle C.



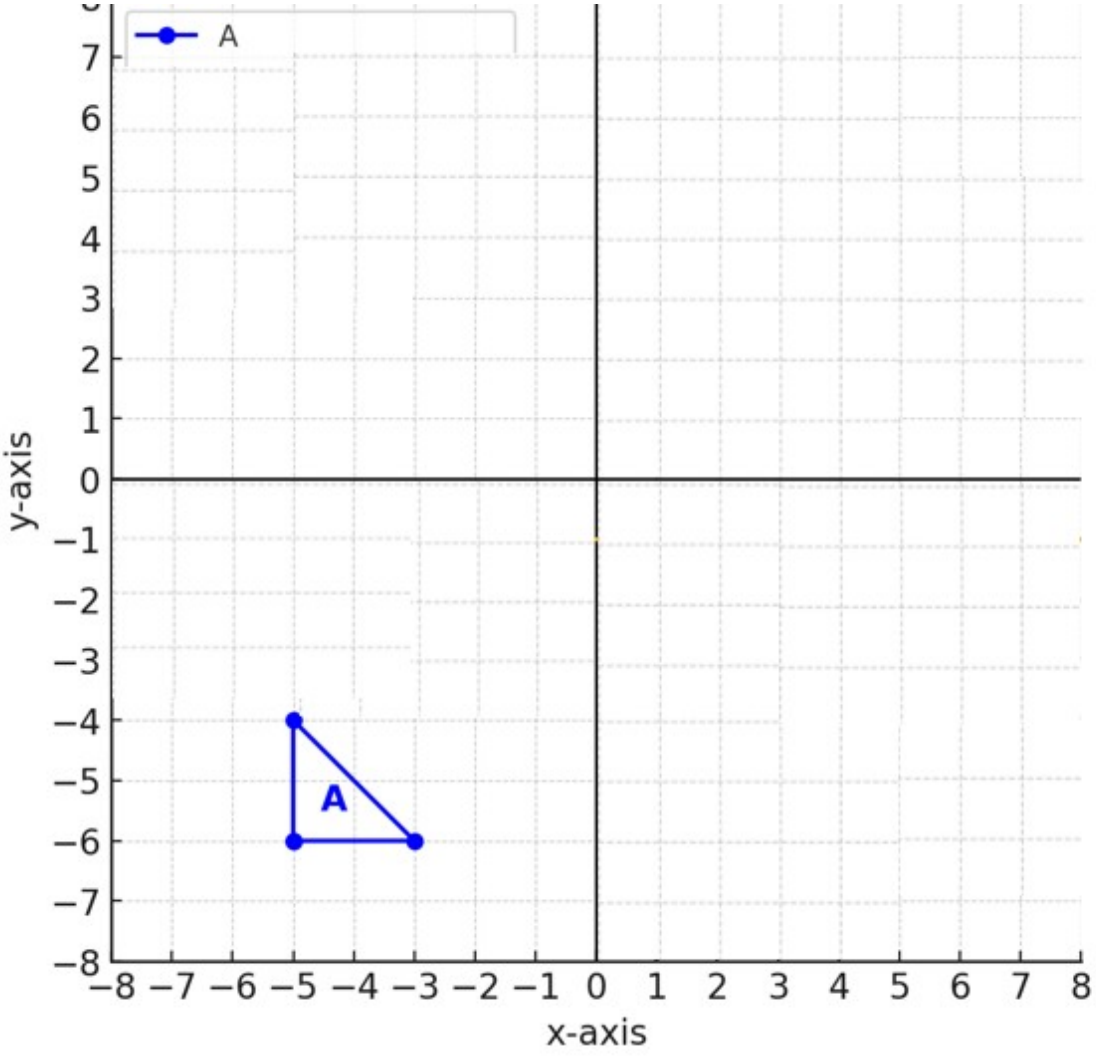
(Total for Question 8 is 2 marks)

Q9-

Triangle A is reflected in the line x = 1 to give Triangle B.

Triangle B is reflected in the line y = -1 to give Triangle C.

Describe the single transformation that will map Triangle A to Triangle C.



(Total for Question 9 is 2 marks)