



Bishops Online Tutoring



Education Consultancy

Edexcel GCSE Mathematics

REFLECTIONS

Materials Required:

- Pen
- HB Pencil
- Ruler (in centimetres and millimetres)
- Protractor
- Compass

Instructions:

- Use a black ink pen to answer all questions
- Fill your name in the section below
- Answer the questions in the spaces provided
- Show your working out for all answers

Information:

- The marks allocated for each question are displayed within brackets – utilise this information to gauge the appropriate amount of time to dedicate to each question
- Questions marked with an asterisk (*) will assess your written communication; be careful of spelling, punctuation and grammar with these questions

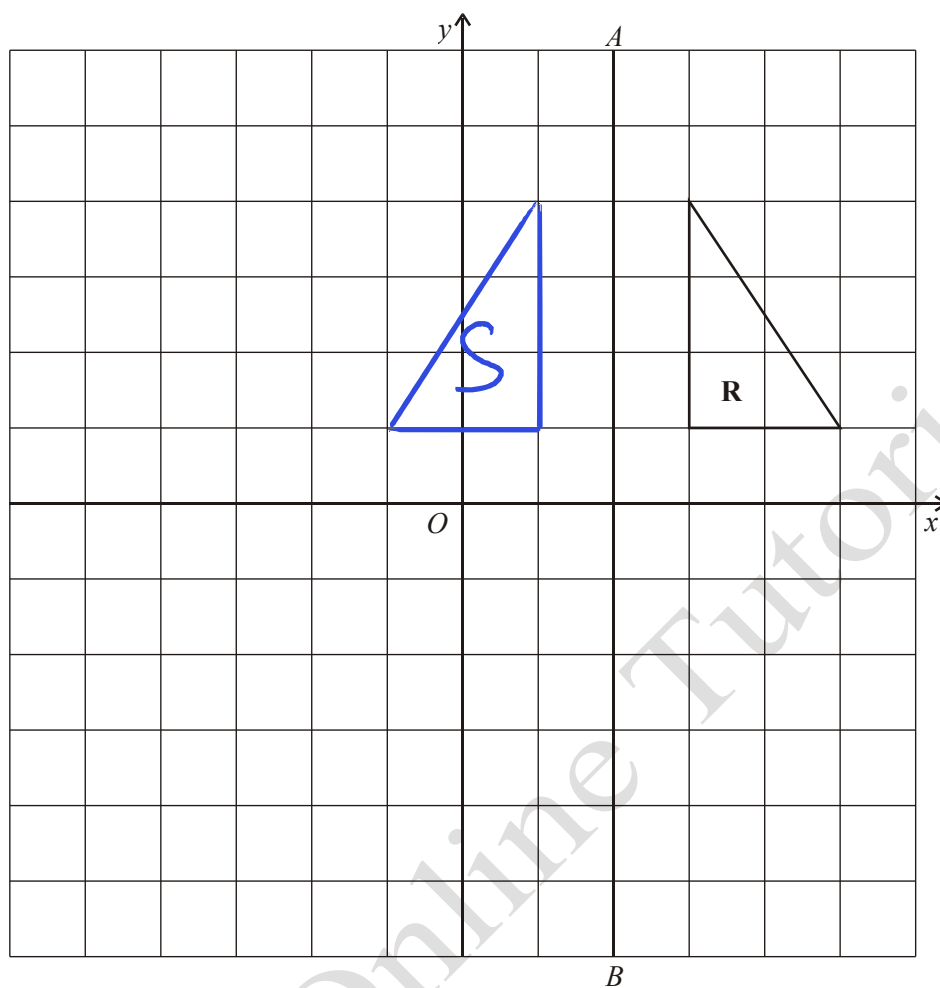
Advice:

- Carefully read the question before attempting to answer it
- Be vary of time and try to answer every question
- If you have enough time in the end, go back and check your answers. A good way to check your answers is to retry the question with the hope of getting the same answer as before without looking at your working out from before

NO CALCULATOR ALLOWED

NAME:

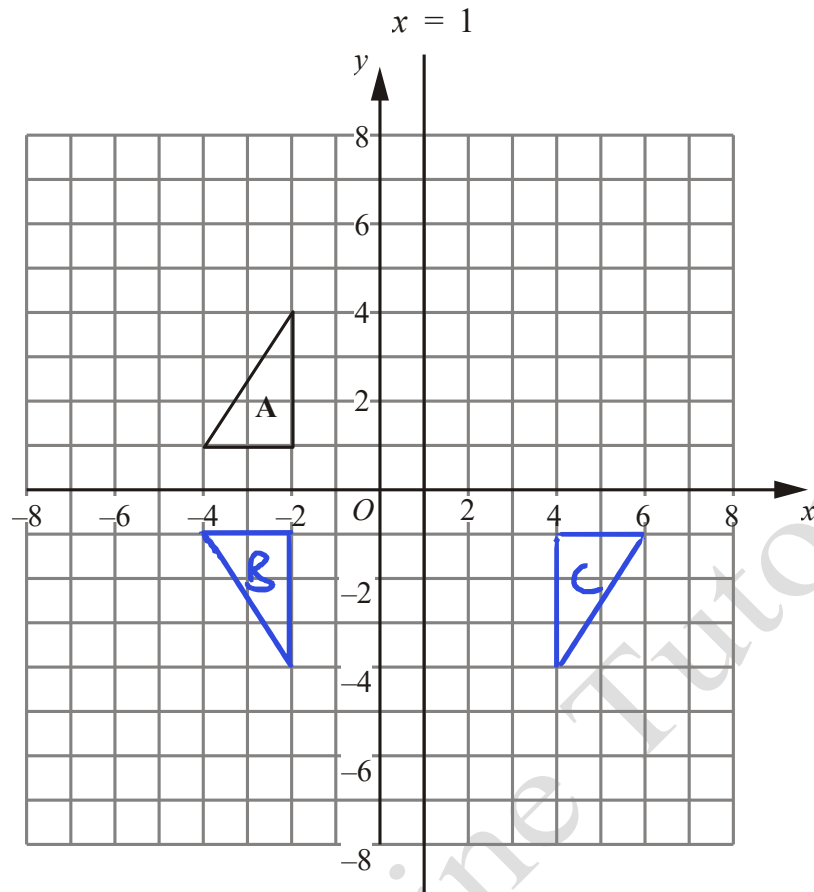
1.



Reflect triangle **R** in the line **AB**.
Label the new triangle **S**.

(2)
(Total 2 marks)

2.



Triangle **A** is reflected in the x -axis to give triangle **B**.

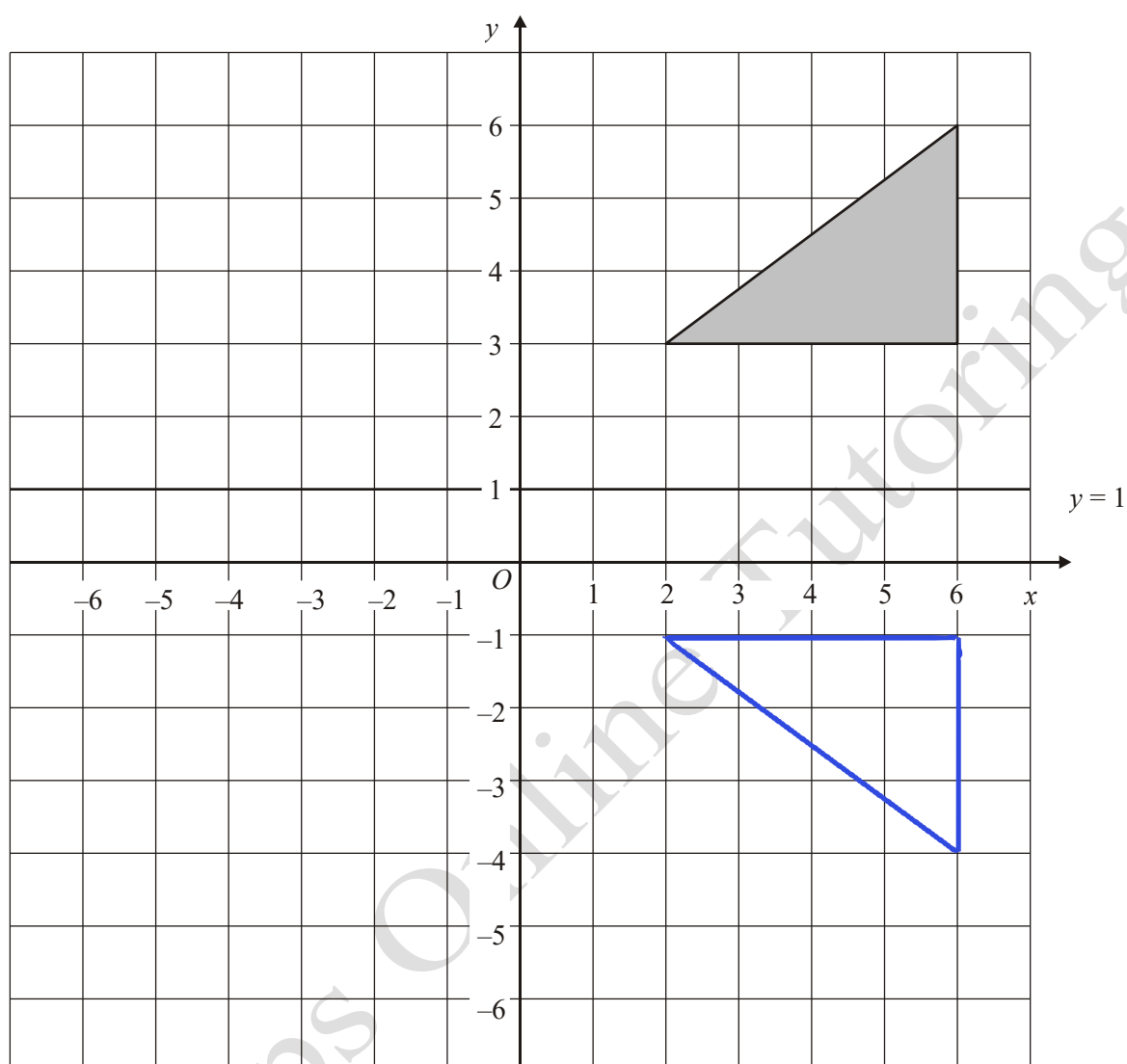
Draw the triangle **B** and label it **B**.

Triangle **B** is reflected in the line $x = 1$ to give triangle **C**.

Draw the triangle **C** and label it **C**.

(Total 4 marks)

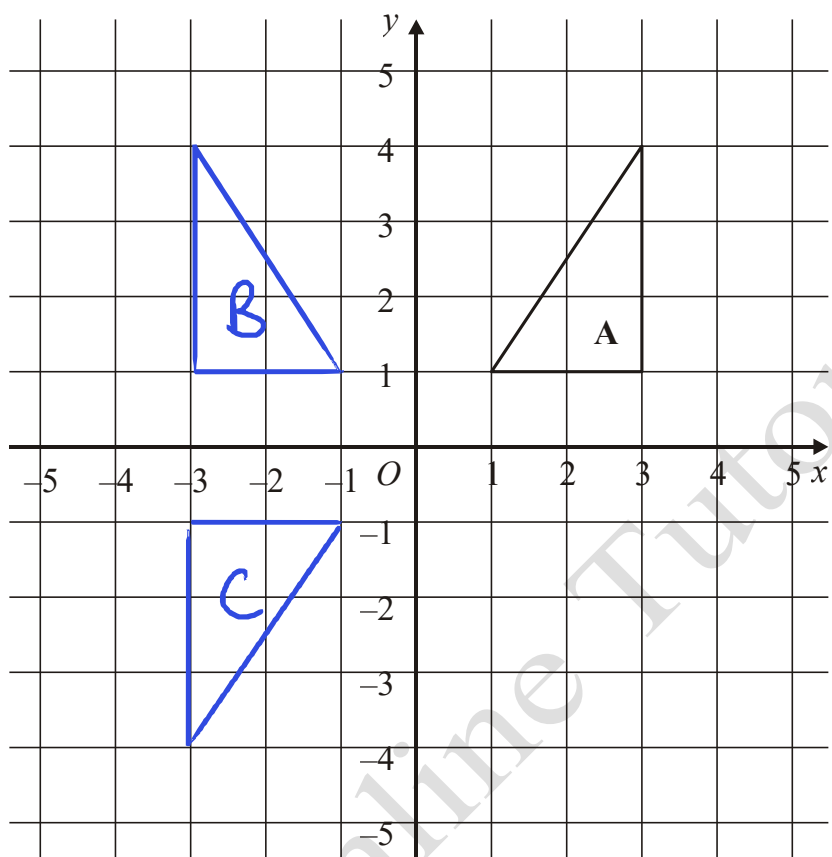
3.



Reflect the triangle in the line $y = 1$

(Total 2 marks)

4.



Triangle **A** is reflected in the y -axis to give triangle **B**.

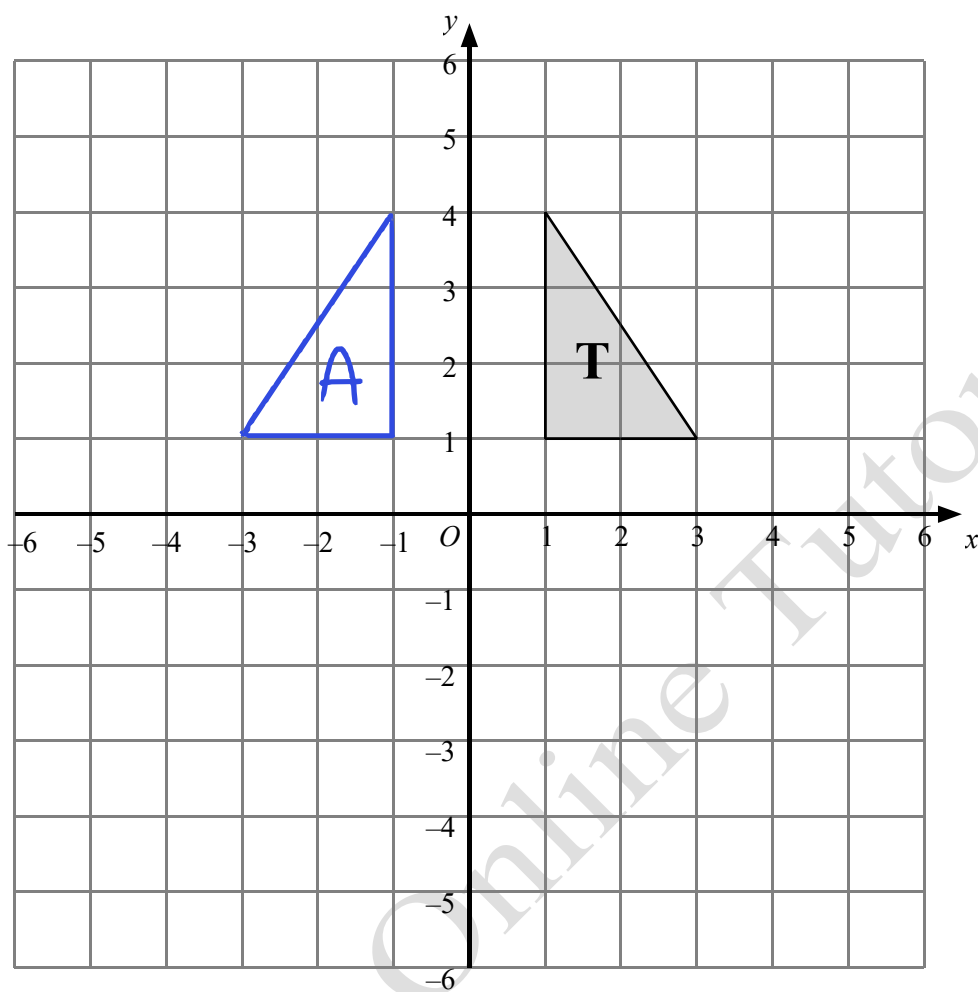
Draw the triangle **B** and label it **B**.

Triangle **B** is then reflected in the x -axis to give triangle **C**.

Draw the triangle **C** and label it **C**.

(Total 4 marks)

5.



Triangle **T** has been drawn on the grid.

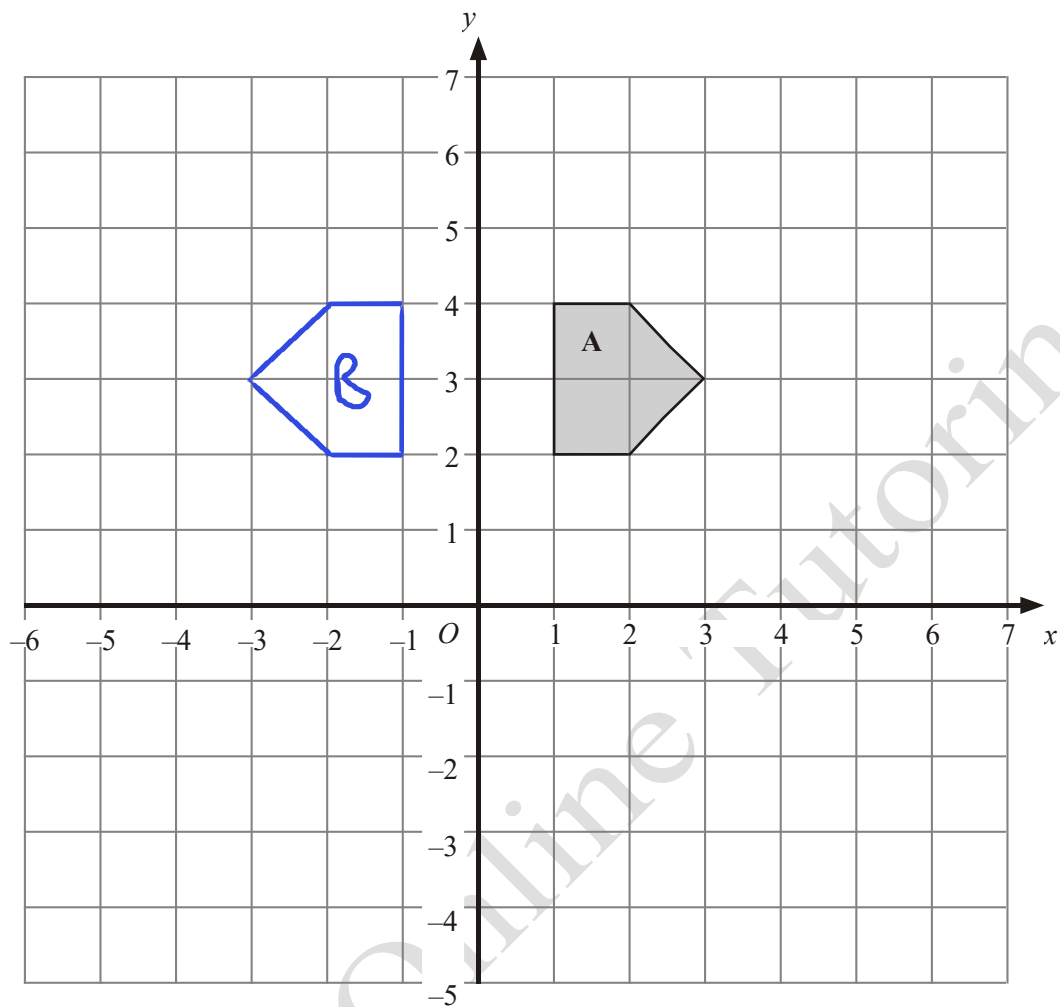
Reflect triangle **T** in the y -axis.

Label the new triangle **A**.

(2)

(Total 2 marks)

6.



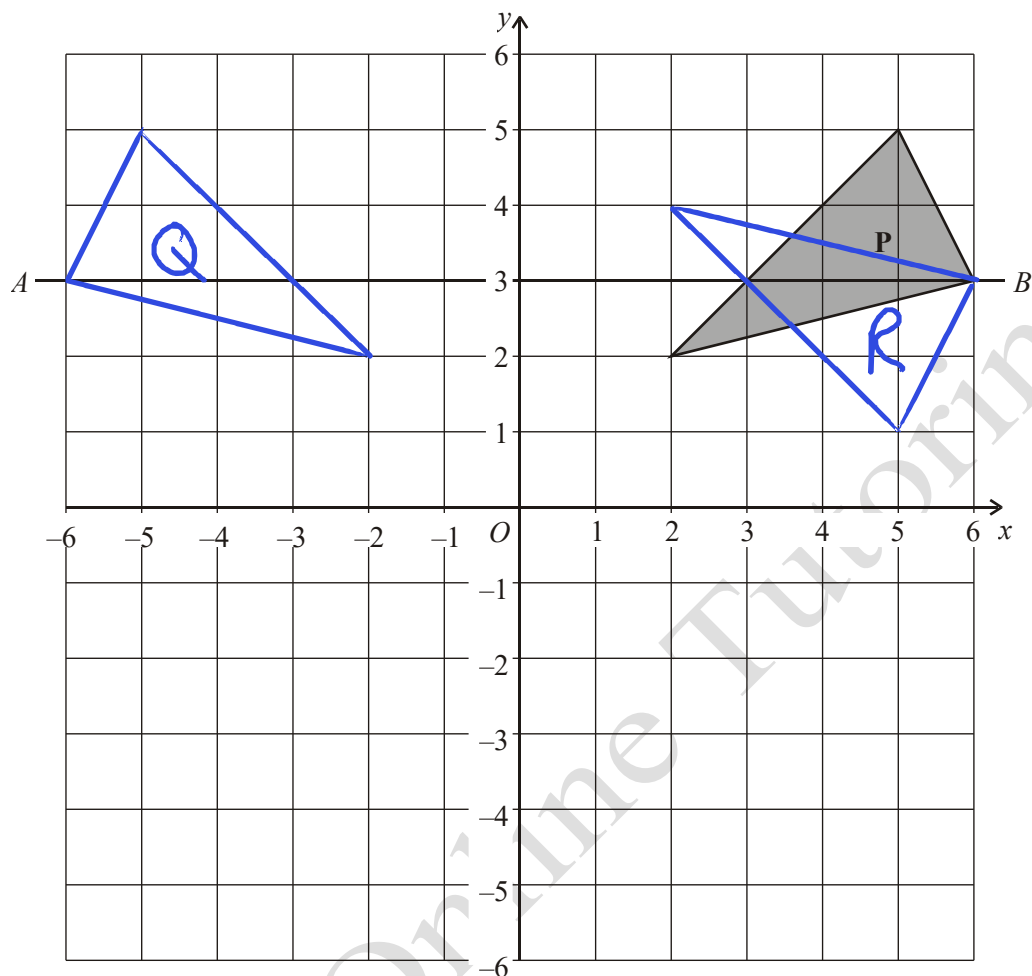
Reflect Shape **A** in the y -axis.

Label your new shape **B**.

(2)

(Total 2 marks)

7.



On the grid, reflect triangle **P** in the y -axis.

Label the new shape, **Q**.

(1)

The line AB is drawn on the grid.

(b) On the grid, reflect triangle **P** in the line AB .

Label the new shape, **R**.

(1)

(Total 2 marks)