Edexcel GCSE
Mathematics (Linear) – 1MA0
REFLECTION

Materials required for examination
Ruler graduated in centimetres and
millimetres, protractor, compasses,
pen, HB pencil, eraser.
Tracing paper may be used.

Items included with question papers
Nil

Instructions

Use black ink or ball-point pen.
Fill in the boxes at the top of this page with your name, centre number and candidate number.
Answer all questions.
Answer the questions in the spaces provided – there may be more space than you need.
Calculators may be used.

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.
Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed – you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.
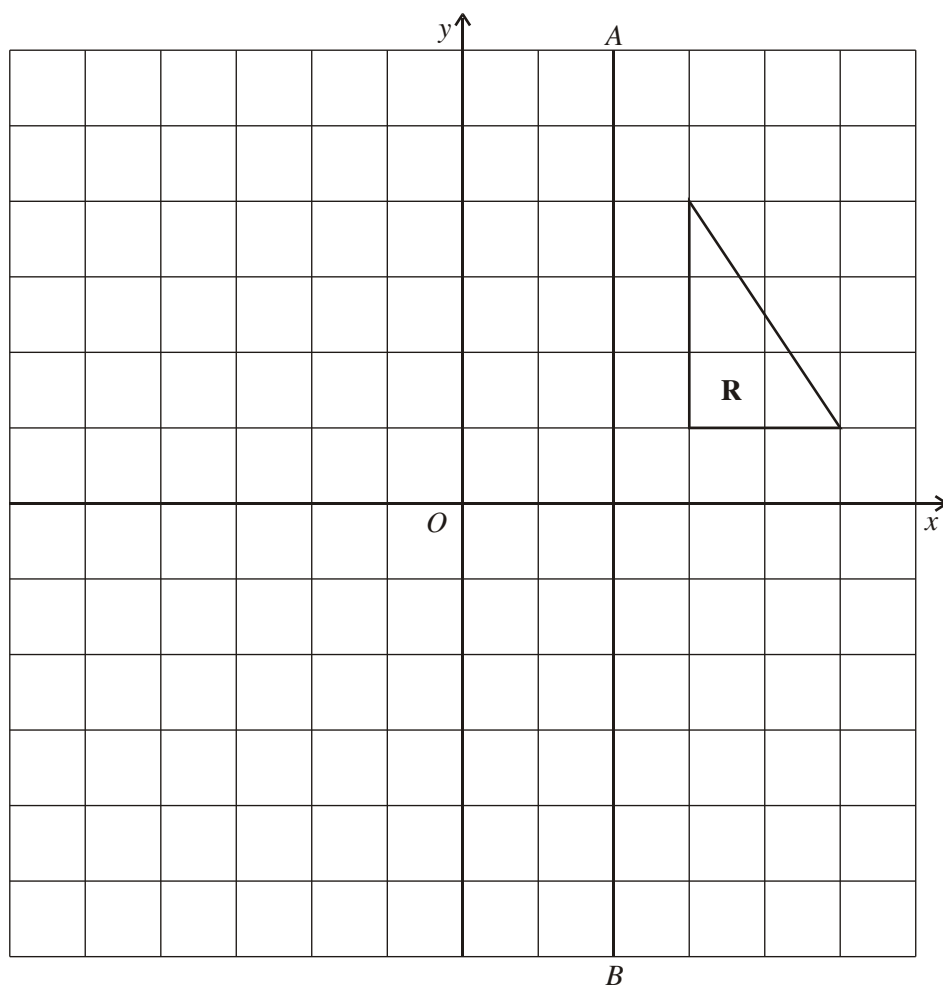
Advice

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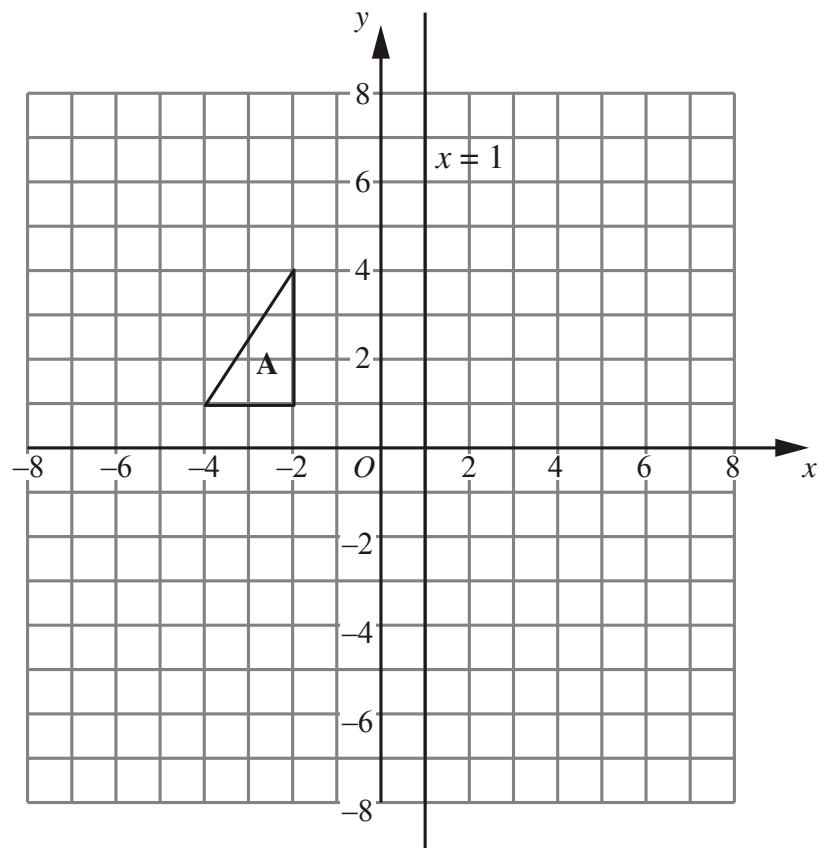Check your answers if you have time at the end.

1.

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

(2)
(Total 2 marks)

2.

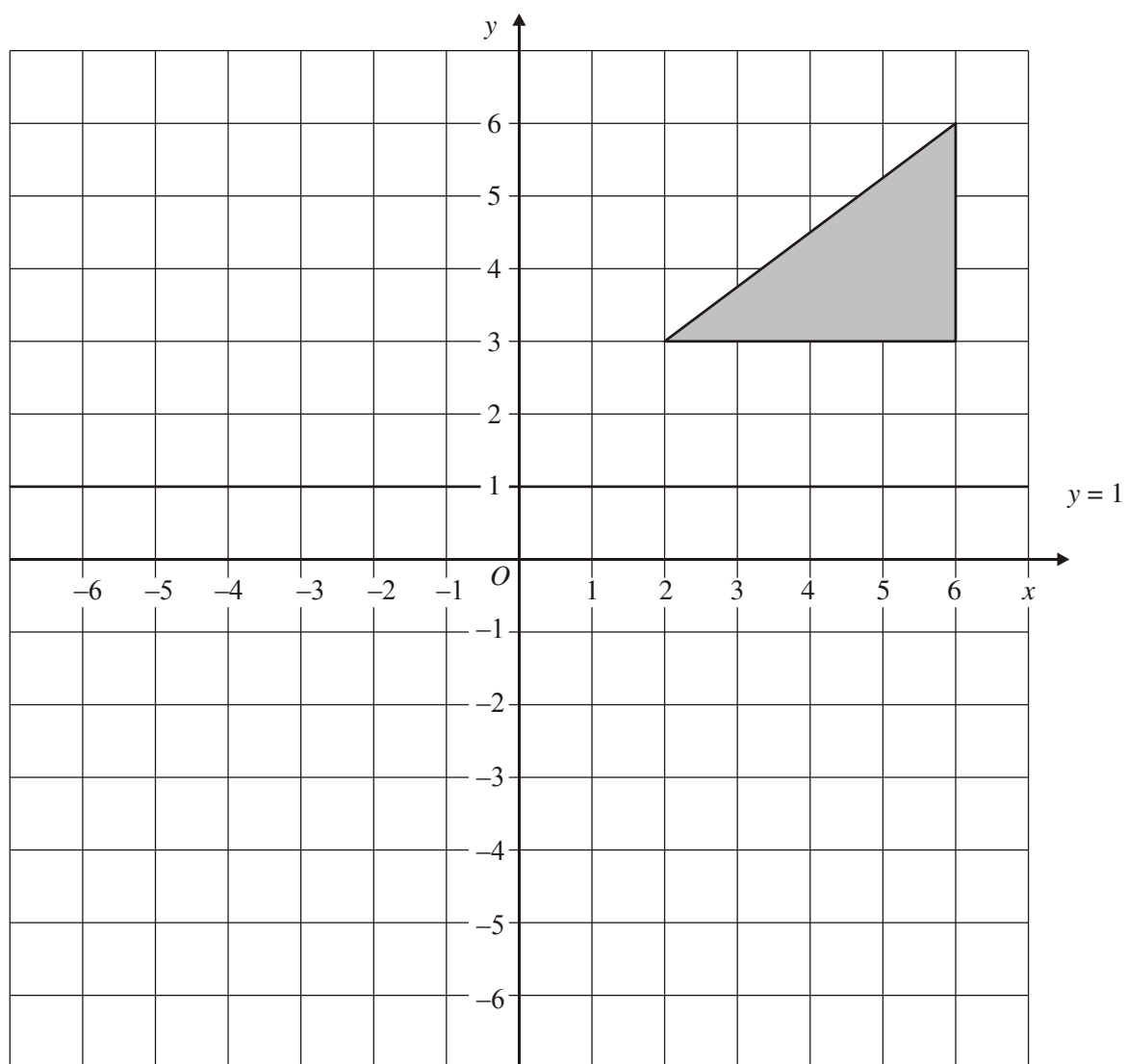Triangle **A** is reflected in the *x*-axis to give triangle **B**.

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

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

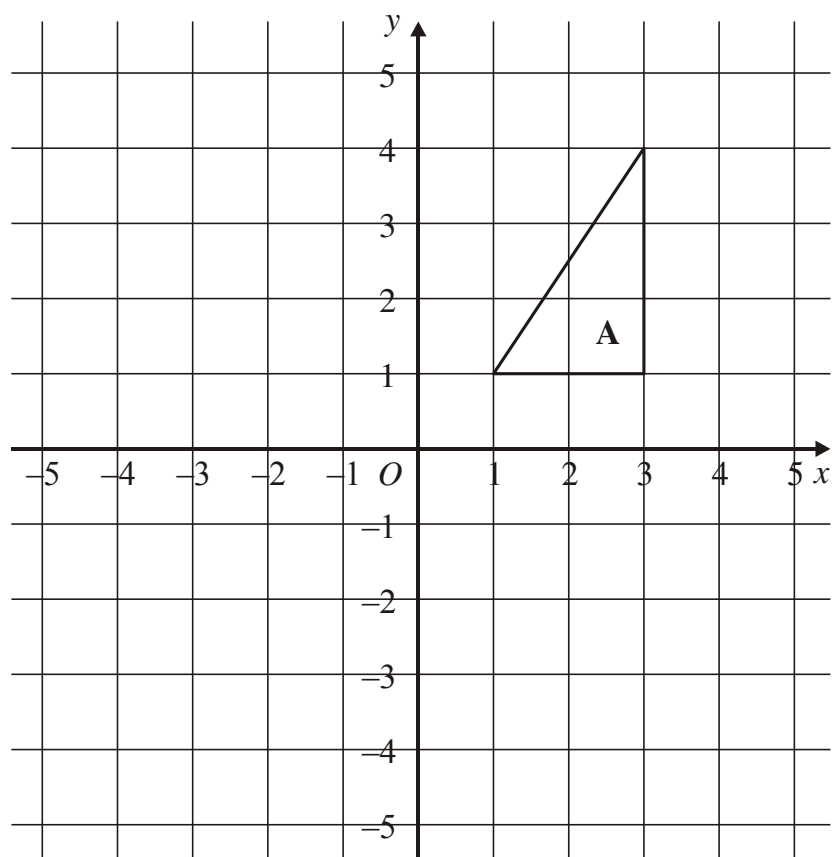Draw the triangle **C** and label it **C**.

(Total 4 marks)

3.

Reflect the triangle in the line $y = 1$

(Total 2 marks)

4.

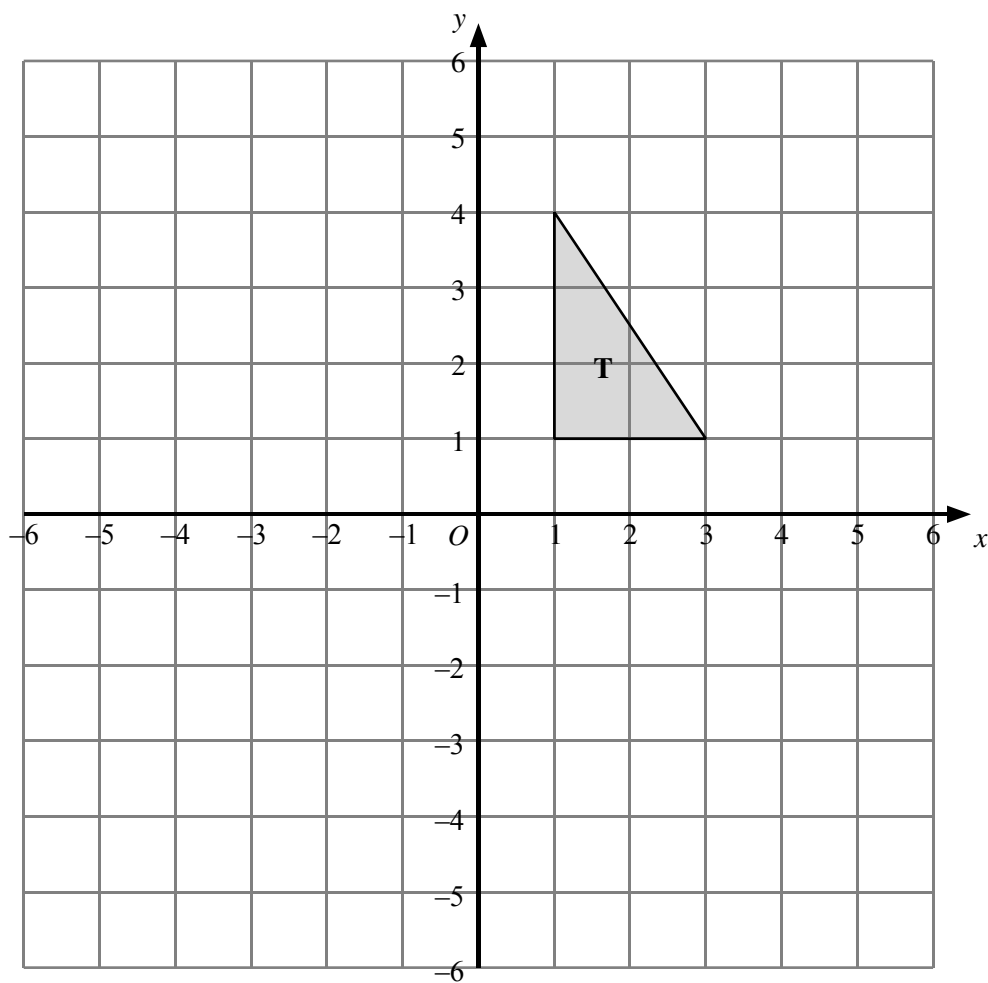Triangle **A** is reflected in the *y* axis to give triangle **B**.

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)
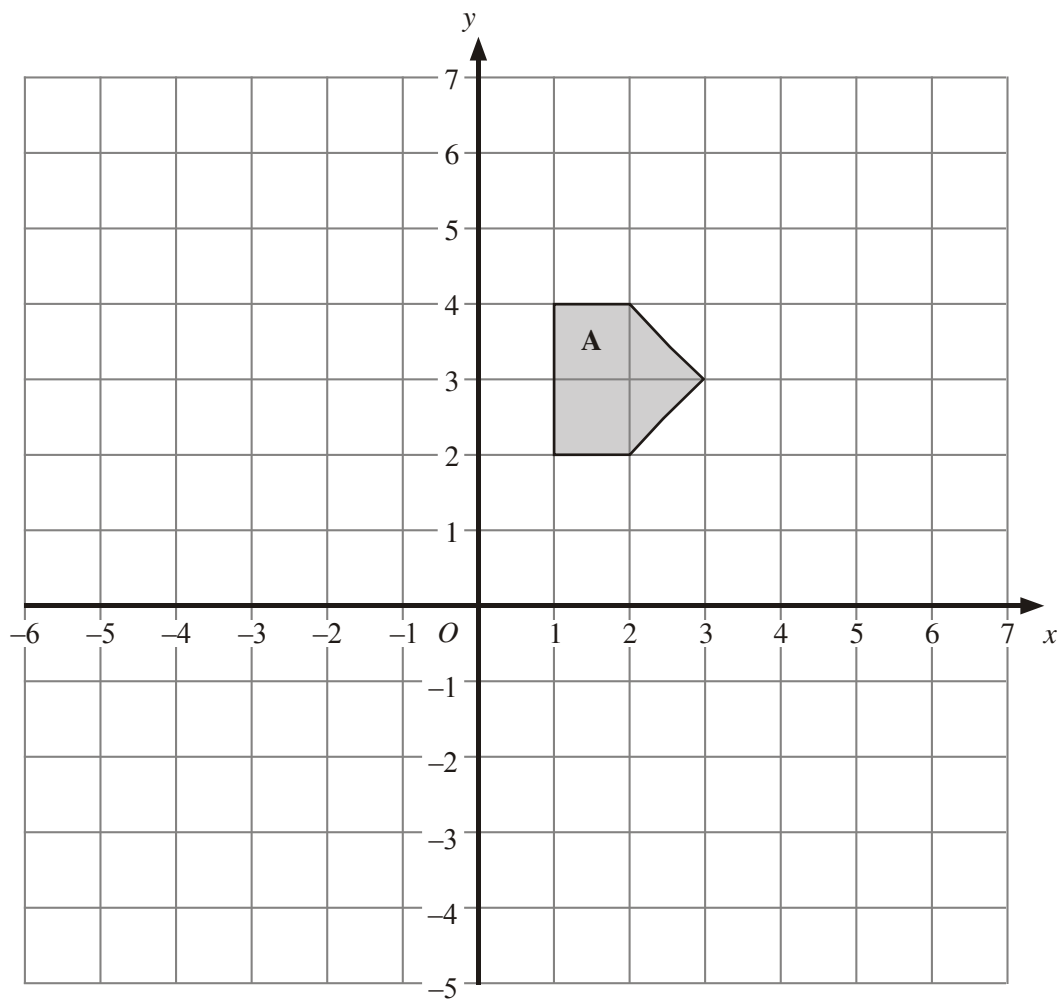
5.

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

Reflect triangle **T** in the *y*-axis.
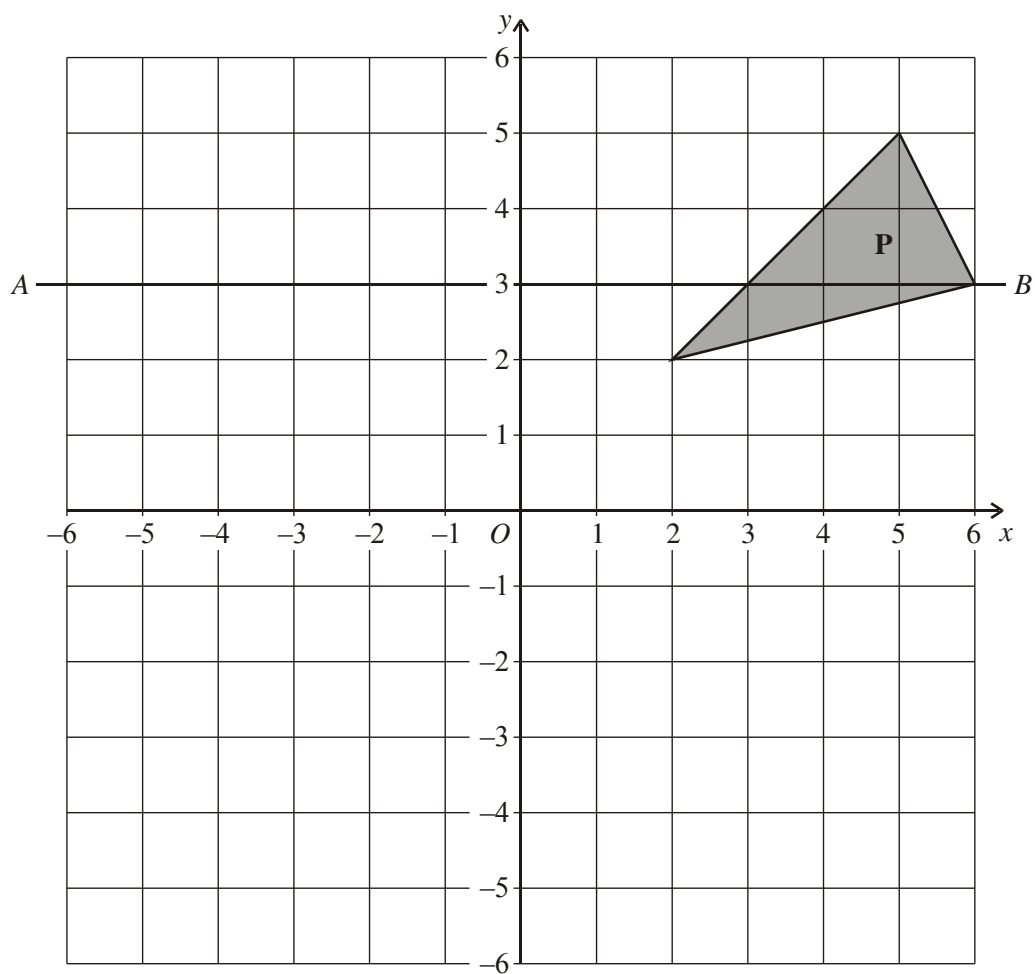   Label the new triangle **A**.

(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)