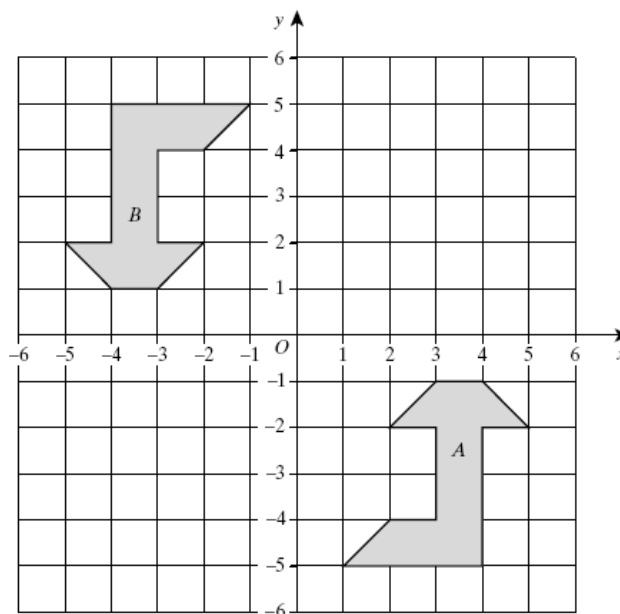


GCSE Exam Questions on Transformation Geometry

Question 1. (AQA June 2003 Intermediate Paper 1 No Calculator)

The diagram shows two identical shapes A and B.

Describe **fully** the **single** transformation that takes shape A to shape B.

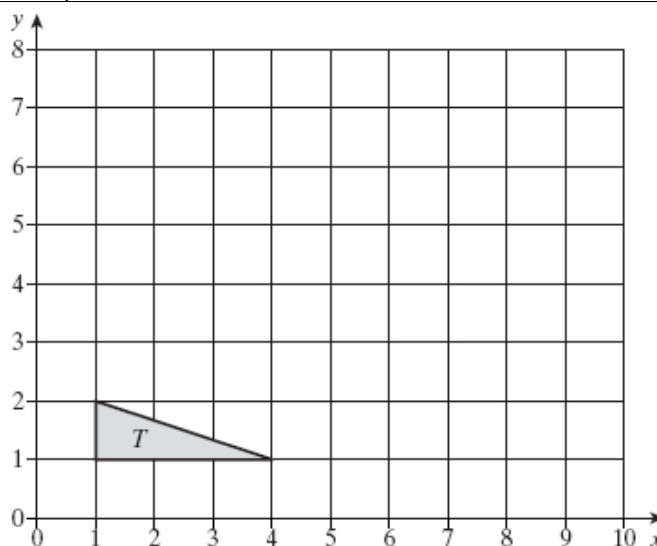


[3 marks]

Question 2. (AQA June 2004 Intermediate Paper 1 No Calculator)

Enlarge triangle T by scale factor 2 with (0, 0) as the centre of enlargement

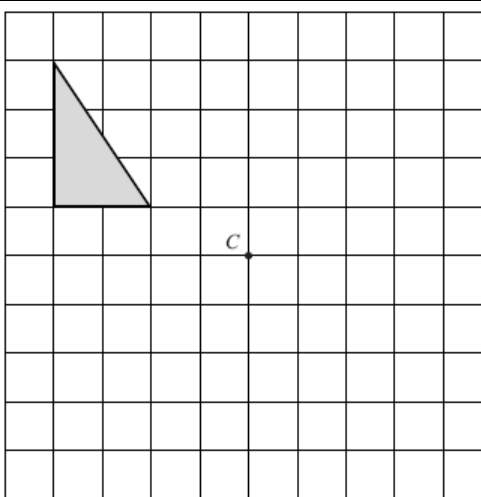
[3 marks]



Question 3. (AQA June 2007 Intermediate Paper 1 No Calculator)

Rotate the triangle 90° clockwise about the point C.

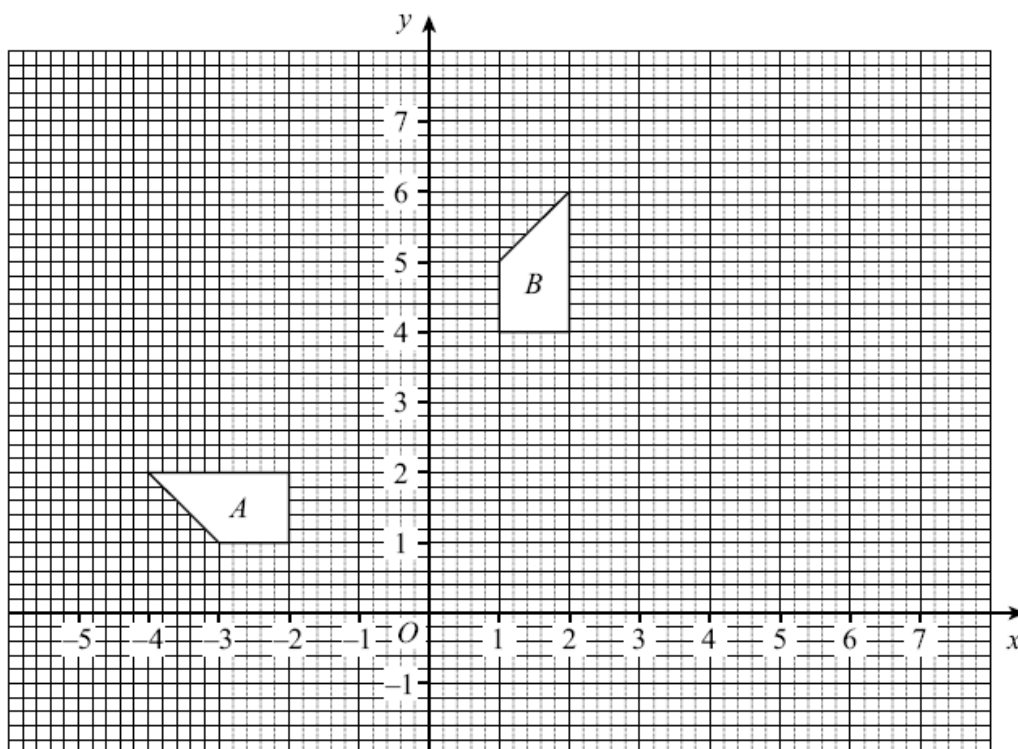
[2 marks]



GCSE Exam Questions on Transformation Geometry

Question 4. (AQA June 2006 Intermediate Paper 1 No Calculator)

The diagram shows two shapes A and B.



(a) Describe fully the single transformation that takes shape A onto shape B.

[3 marks]

(b) Enlarge shape B by scale factor 2, with $(0, 7)$ as the centre of enlargement.

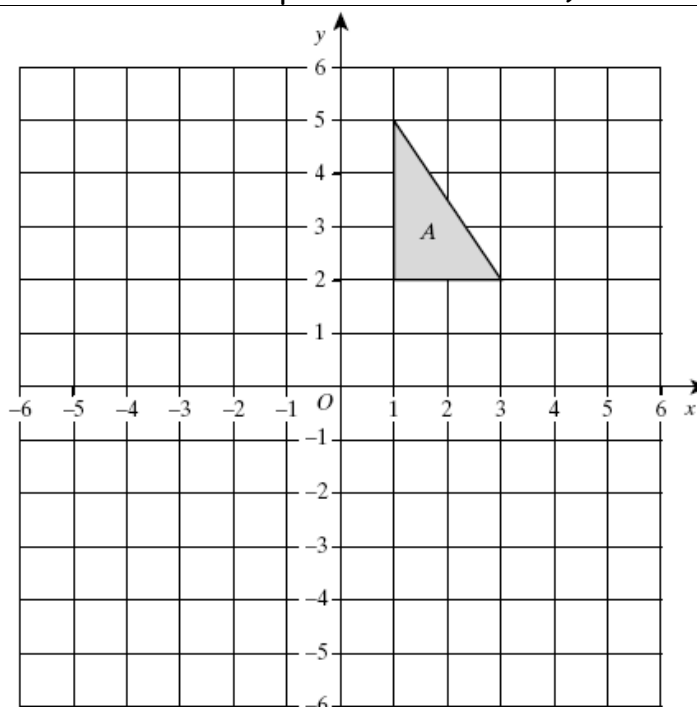
[3 marks]

Question 5. (AQA November 2003 Intermediate Paper 1 No Calculator)

The diagram shows triangle A.

Draw the new position of triangle A after a rotation of 90° clockwise about the origin.

[3 marks]



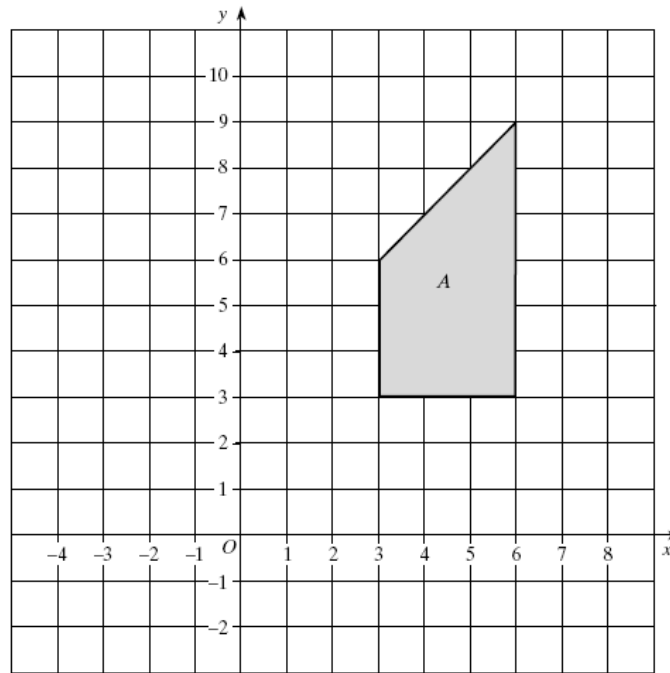
Question 6. (AQA November 2004 Intermediate Paper 1 No Calculator)

GCSE Exam Questions on Transformation Geometry

The diagram shows shape A.

Draw the enlargement of shape A with scale factor $\frac{1}{3}$ and centre of enlargement (0, 0).

[3 marks]

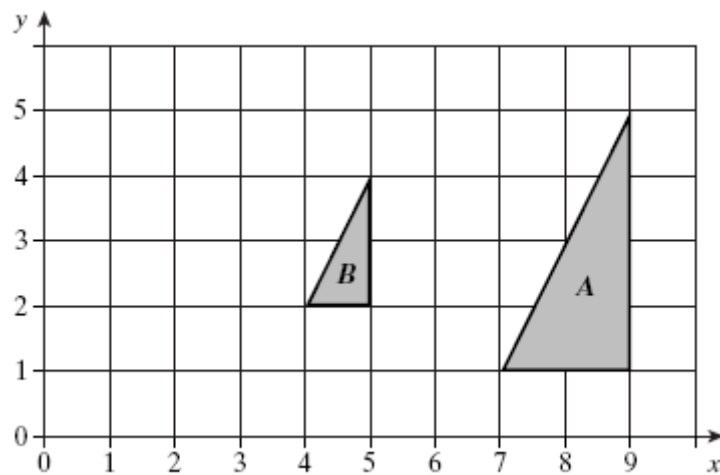


Question 7. (AQA November 2005 Intermediate Paper 1 No Calculator)

The diagram shows two triangles A and B.

Describe fully the **single** transformation that maps triangle A onto triangle B.

[3 marks]

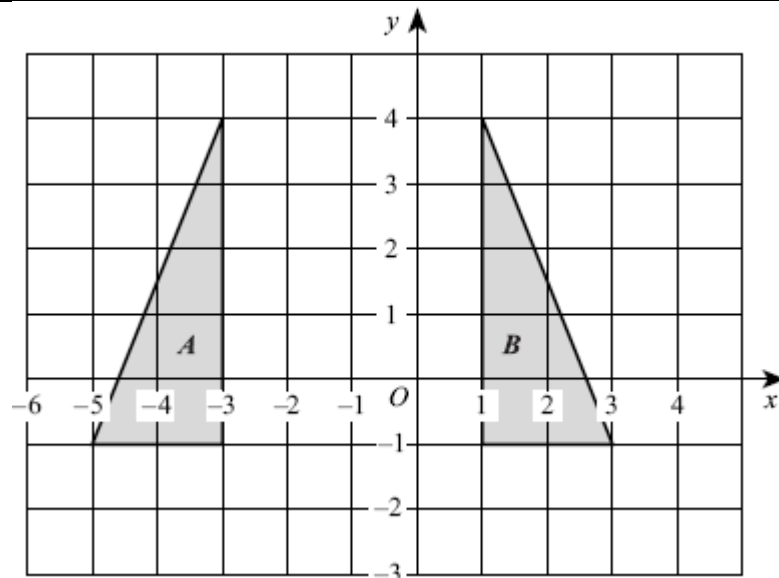


Question 8. (AQA November 2006 Intermediate Paper 1 No Calculator)

The diagram shows two triangles A and B.

Describe fully the **single** transformation that maps triangle A onto triangle B.

[2 marks]



Question 9. (AQA June 2003 Higher Paper 2 Calculator OK)

GCSE Exam Questions on Transformation Geometry

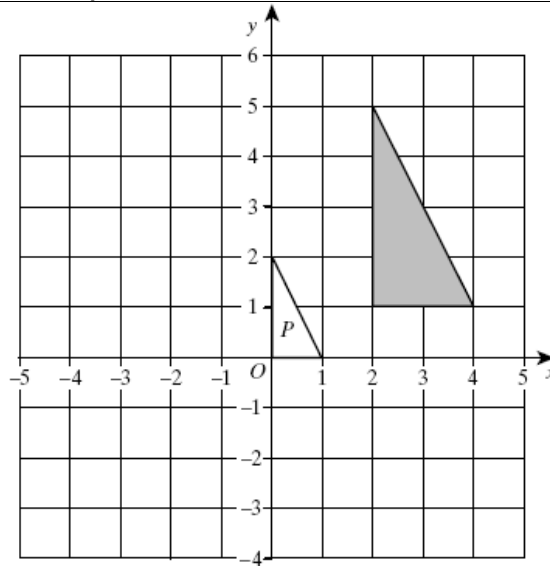
Triangle P is an enlargement of the shaded triangle.

(a) What is the scale factor of the enlargement?

[1 mark]

(b) What is the centre of the enlargement?

[1 mark]

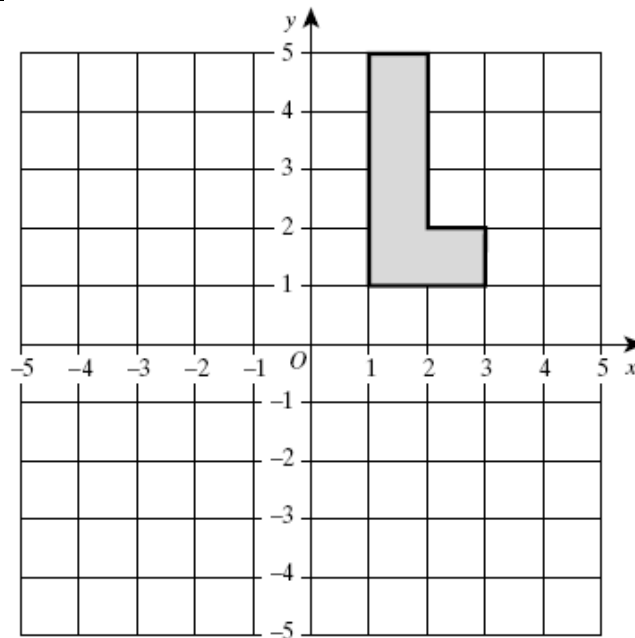


Question 10. (AQA June 2004 Higher Paper 2 Calculator OK)

The diagram shows a shaded shape.

Enlarge the shaded shape by scale factor $-\frac{1}{2}$ with centre of enlargement $(-1, 0)$.

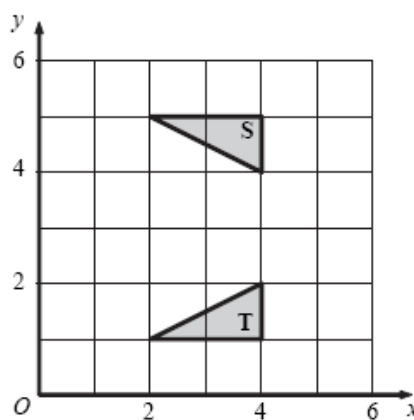
[2 marks]



Question 11. (iGCSE Edexcel June 2006 Higher Paper 1 Calculator OK)

Describe fully the single transformation that takes triangle S onto triangle T.

[2 marks]



GCSE Exam Questions on Transformation Geometry

Question 12. (AQA June 2005 Higher Paper 2 Calculator OK)

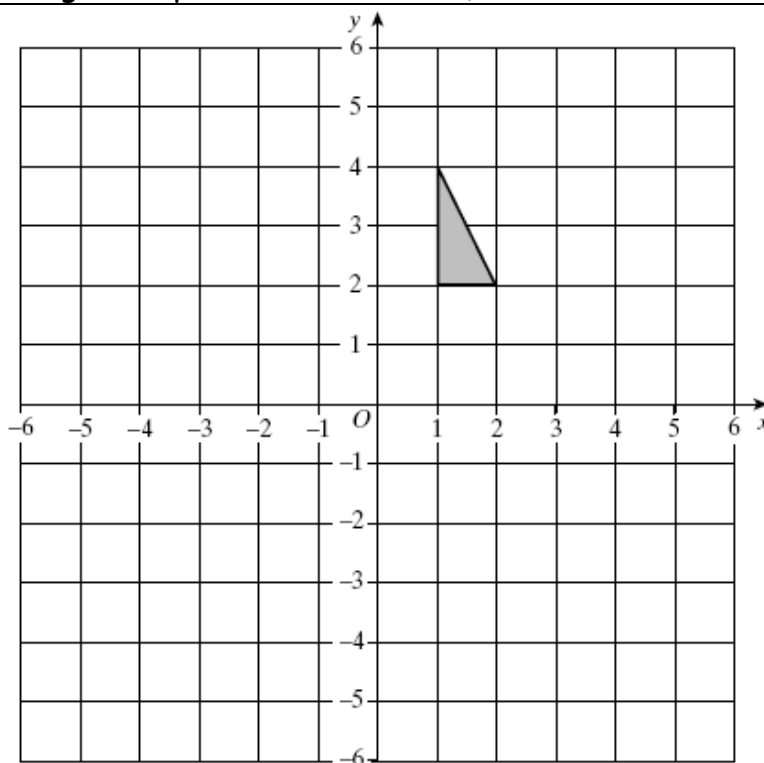
The diagram shows a shaded triangle.

(a) Reflect the shaded triangle in the line $y = -x$. Label this new triangle with the letter A

[2 marks]

(b) Rotate the **original** shaded triangle by a quarter-turn anticlockwise about $(0, 2)$. Label this new triangle with the letter B.

[2 marks]



Question 13. (iGCSE Edexcel June 2004 Higher Paper 2 Calculator OK)

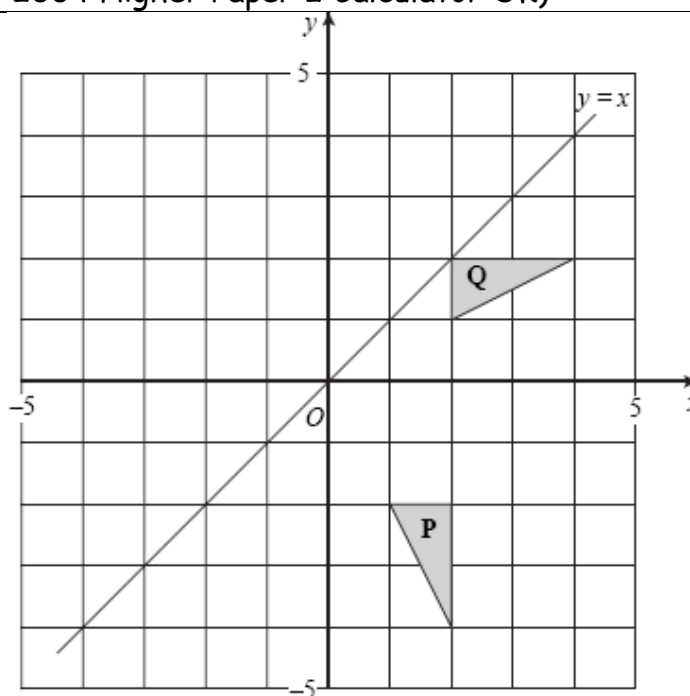
The diagram shows two shaded triangles, P and Q.

(a) Describe fully the single transformation that maps triangle P onto triangle Q.

[3 marks]

(b) Reflect triangle Q in the line with equation $y = x$.

[2 marks]



GCSE Exam Questions on Transformation Geometry

Question 14. (iGCSE Edexcel June 2007 Higher Paper 1 Calculator OK)

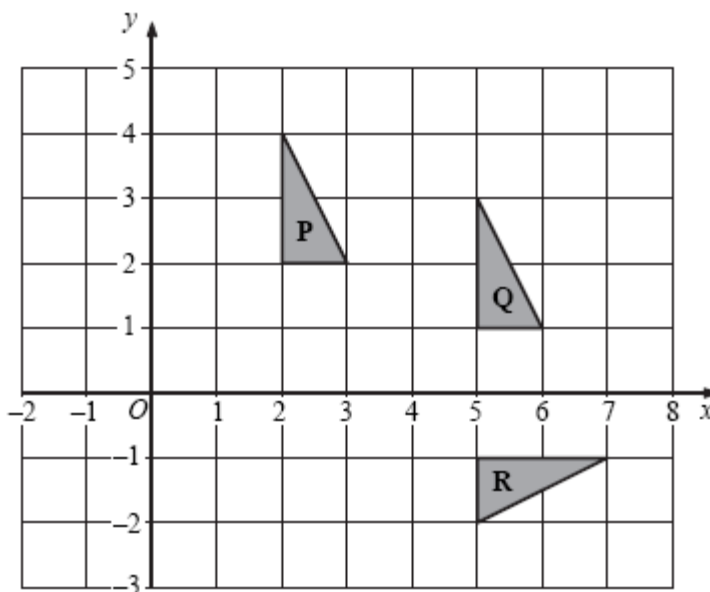
The diagram shows three triangles P, Q and R.

(a) Describe fully the single transformation that maps triangle P onto triangle Q.

[2 marks]

(b) Describe fully the single transformation that maps triangle P onto triangle R.

[3 marks]



Question 15. (iGCSE Edexcel June 2008 Higher Paper 1 Calculator OK)

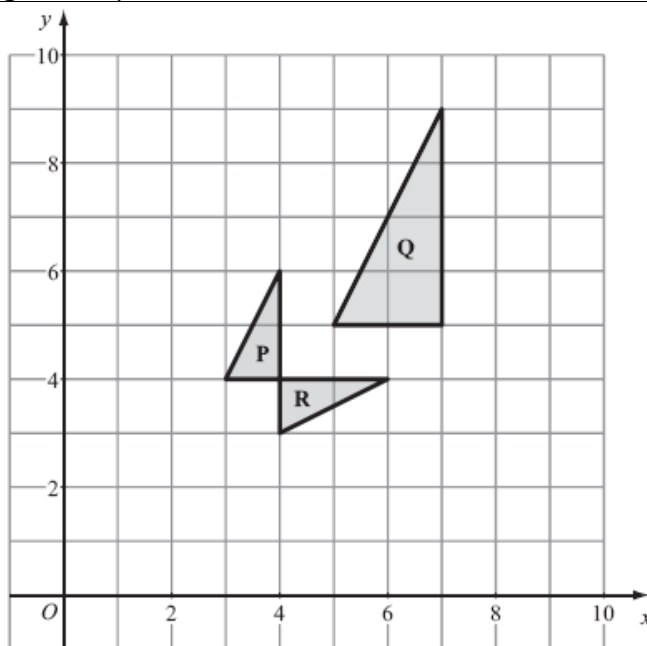
The diagram shows three triangles P, Q and R.

(a) Describe fully the single transformation that maps triangle P onto triangle Q.

[3 marks]

(b) Describe fully the single transformation that maps triangle P onto triangle R.

[2 marks]



GCSE Exam Questions on Transformation Geometry

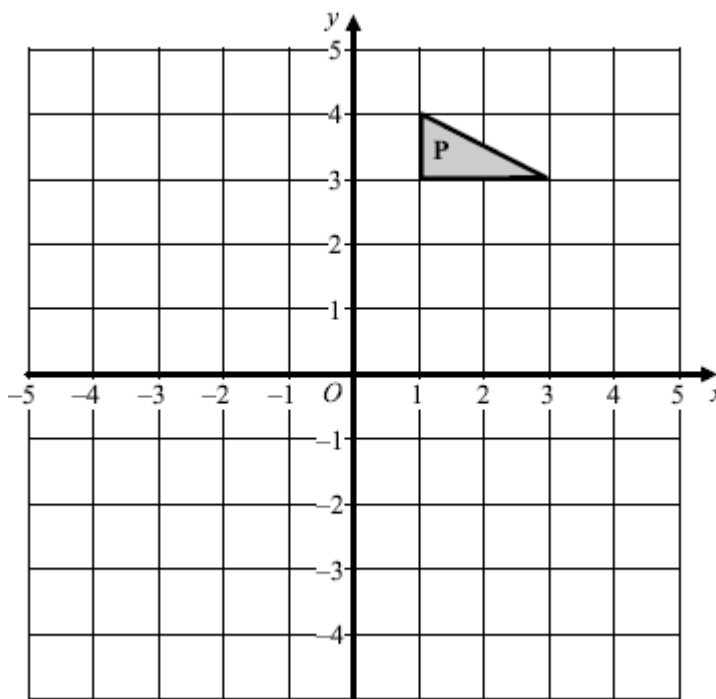
Question 16. (iGCSE Edexcel November 2006 Higher Paper 1 Calculator OK)

Reflect triangle P in the y-axis to give triangle Q.

Rotate triangle Q about the origin 90° clockwise to give triangle R.

Describe fully the single transformation that maps triangle P onto triangle R.

[4 marks]



Question 17. (iGCSE Edexcel Specimen Paper Calculator OK)

The diagram shows three shapes A, B and C.

(a) Describe fully the single transformation that takes shape A onto shape B.

[2 marks]

(b) Describe fully the single transformation that takes shape A onto shape C.

[3 marks]

