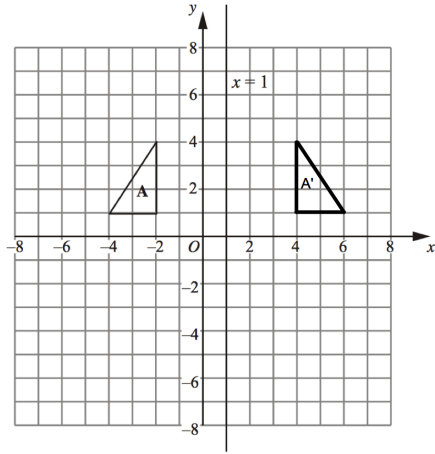# REFLECTION

You need to write

Reflection (1 mark)
In the line ….. (1 mark)

eg A reflection in the line $x = 1$

ROTATION

You need to write

Rotation (1 mark)
Angle and direction (1 mark)
Centre of rotation (1 mark)

Use tracing paper to find the centre of rotation.

eg. P onto Q is a rotation 90°
clockwise about the point ((1,1)

TRANSLATION

You need to write

Translation (1 mark)
The number of spaces left or right
The number of spaces up or down.
You must tell them the direction!

eg. P onto Q is a translation
3 spaces right, 1 space down

ENLARGEMENT

You need to write

Enlargement (1 mark)
The scale factor (1 mark)
The centre of enlargement (1 mark).

eg. A onto B is an enlargement, scale factor 3, centre (0,0)

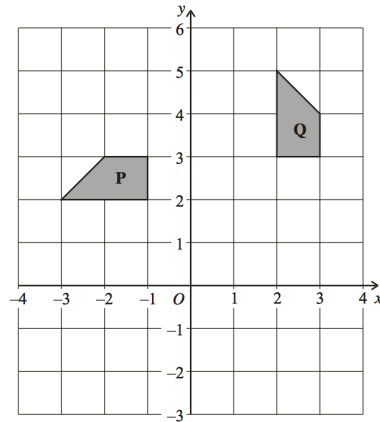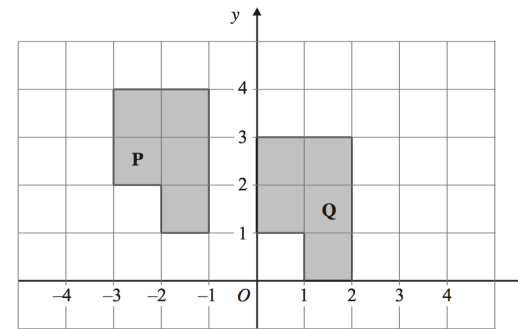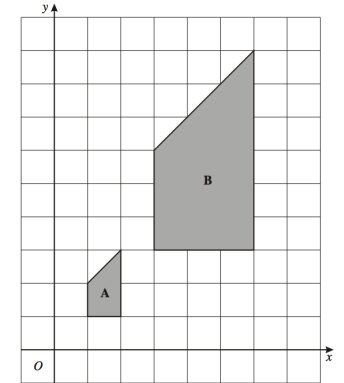(use ray lines to find the centre)

Remember

If you write more than one transformation to describe a single move you will get 0 marks.

You need to write a fact for each mark (so 3 marks - write 3 facts).

Use a pencil and ruler to draw transformations or you risk losing marks.
Use tracing paper to help with rotations.