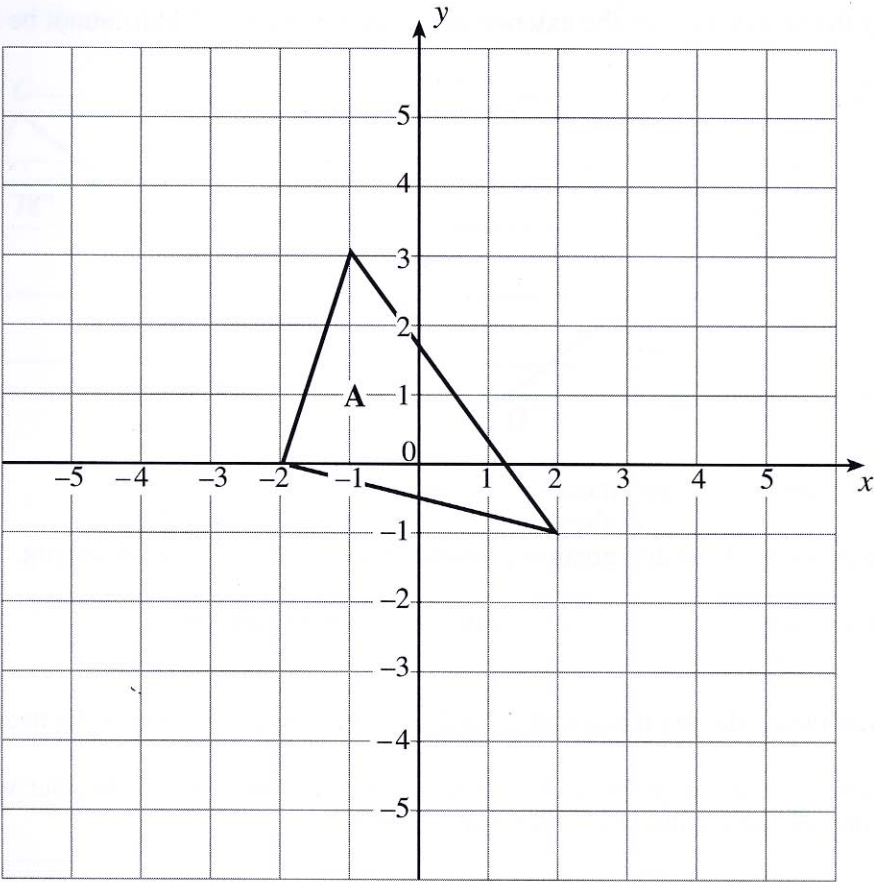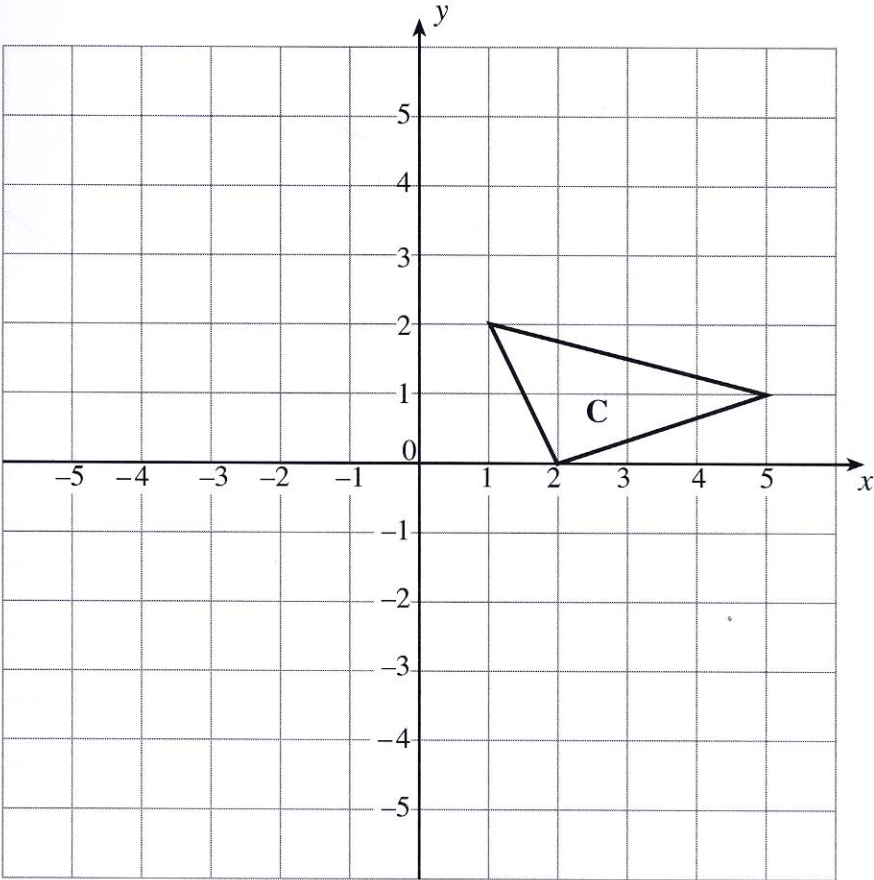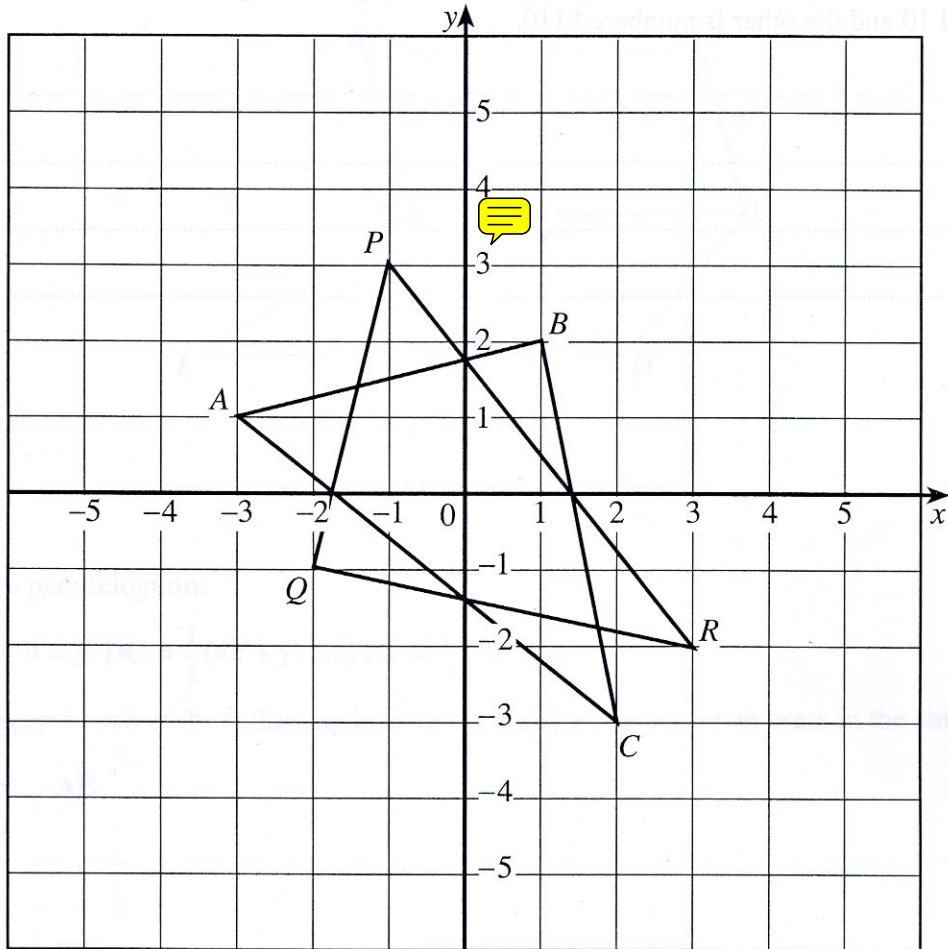**6.** *(a)* Draw the image of the triangle **A** after reflection in the line $y = x$. Label the image **B**. [2]

(b) Rotate the triangle **C** through 90° clockwise about the point $(-1, 2)$. Label the image **D**. [2]
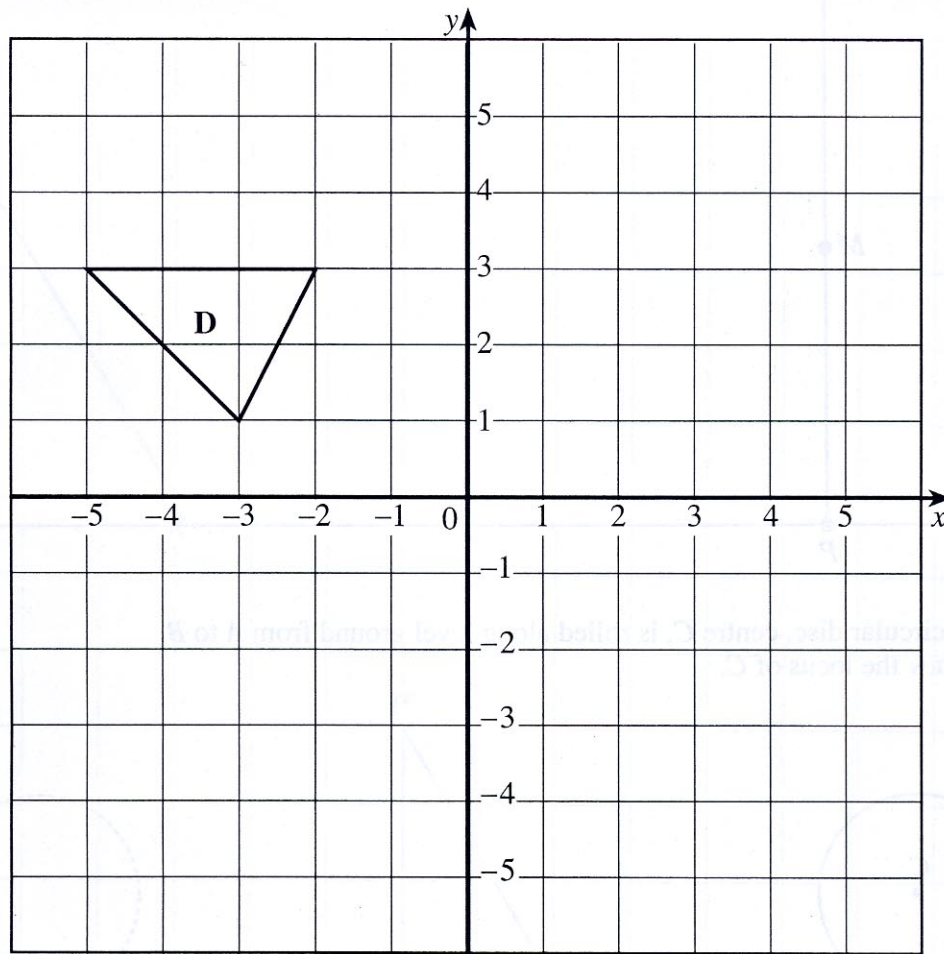
5. *(a)* Describe fully the transformation that transforms triangle *ABC* into triangle *PQR*.

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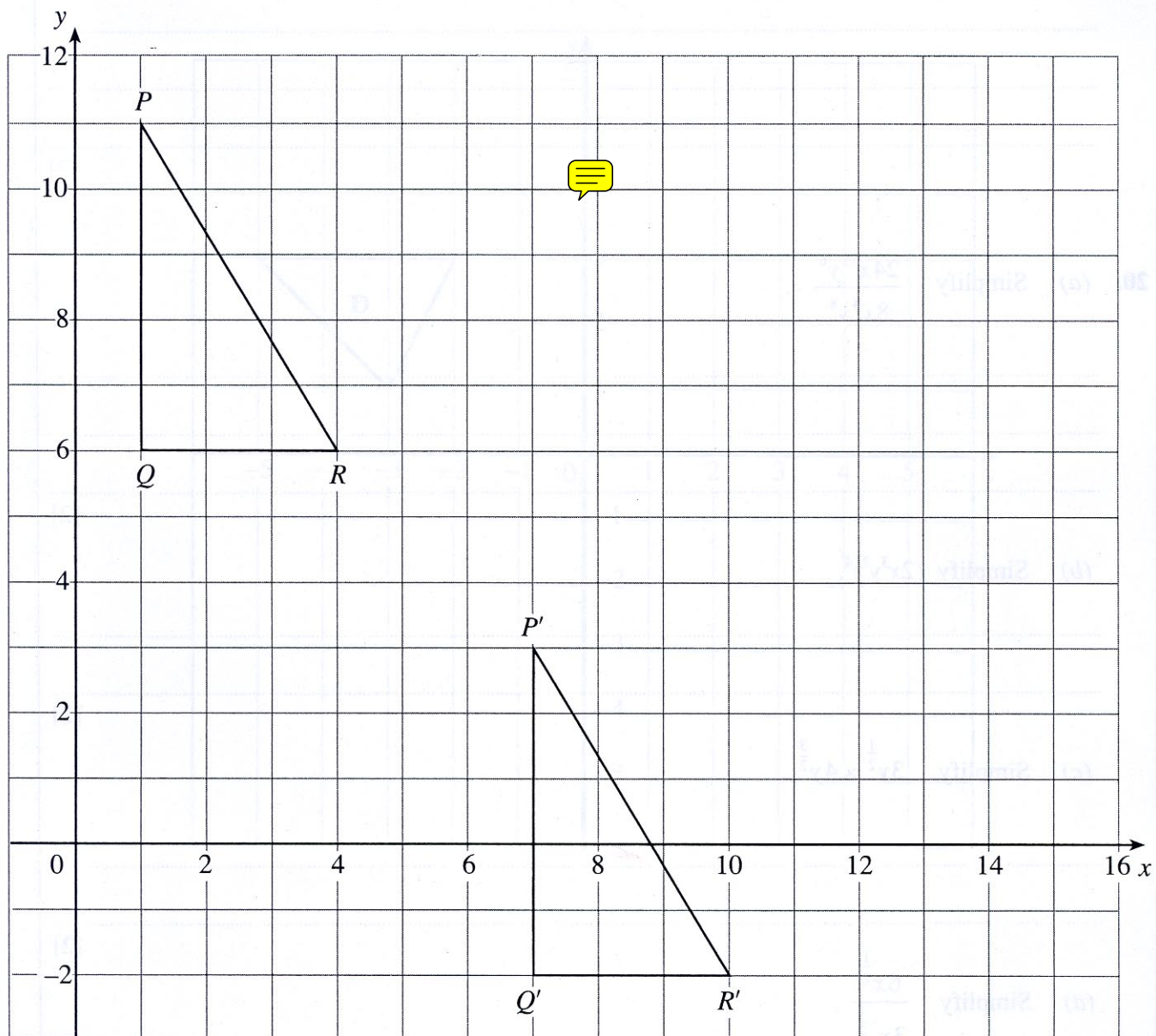
[2]

(b) Rotate the triangle **D** through 90° anti-clockwise about the point (–1, 1).
Label the image **E**. [2]

18. The diagram on the grid below shows the translation of triangle PQR to triangle $P'Q'R'$.

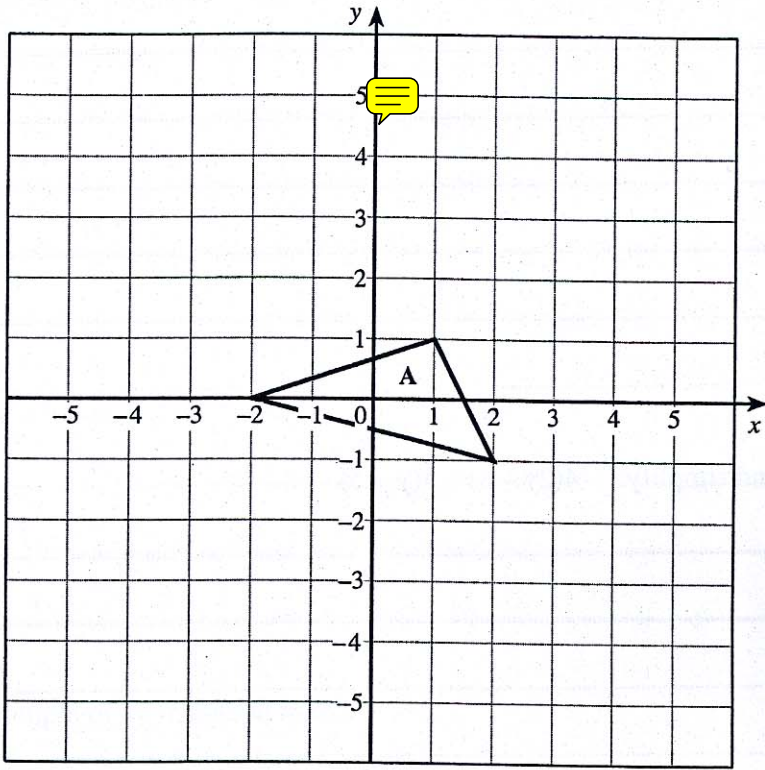Write down this translation of triangle PQR to triangle $P'Q'R'$ in **vector** form.

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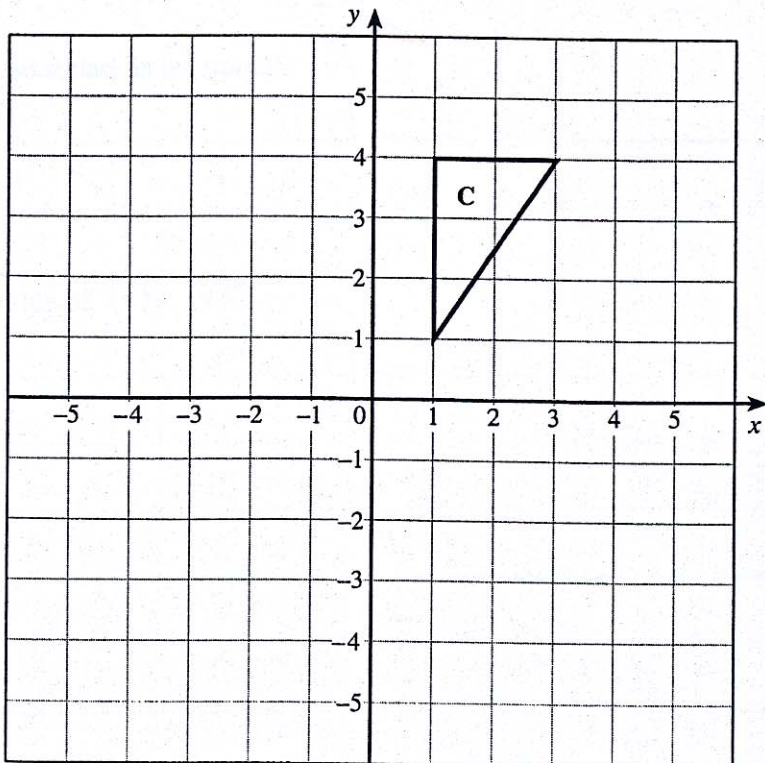
[2]

5. *(a)* Draw the image of the triangle **A** after a translation of –3 units in the *x*-direction and 4 in the
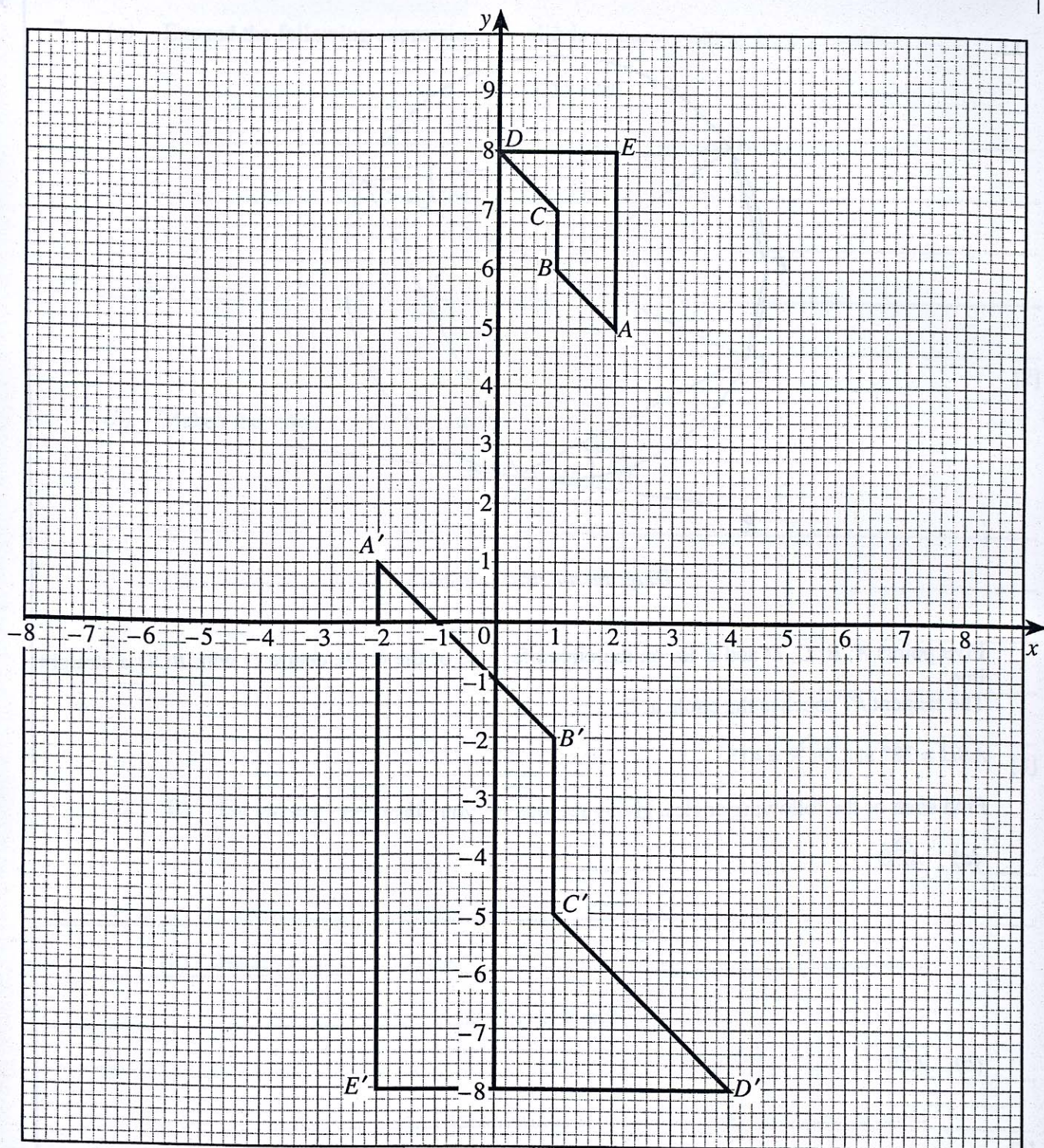*y*-direction. Label the image **B**.

[2]

(b) Rotate the triangle **C** through 90° clockwise about the point (–2, 1).
Label the image **D**.

[2]

14. The diagram shows shapes $ABCDE$ and $A'B'C'D'E'$ drawn to scale.

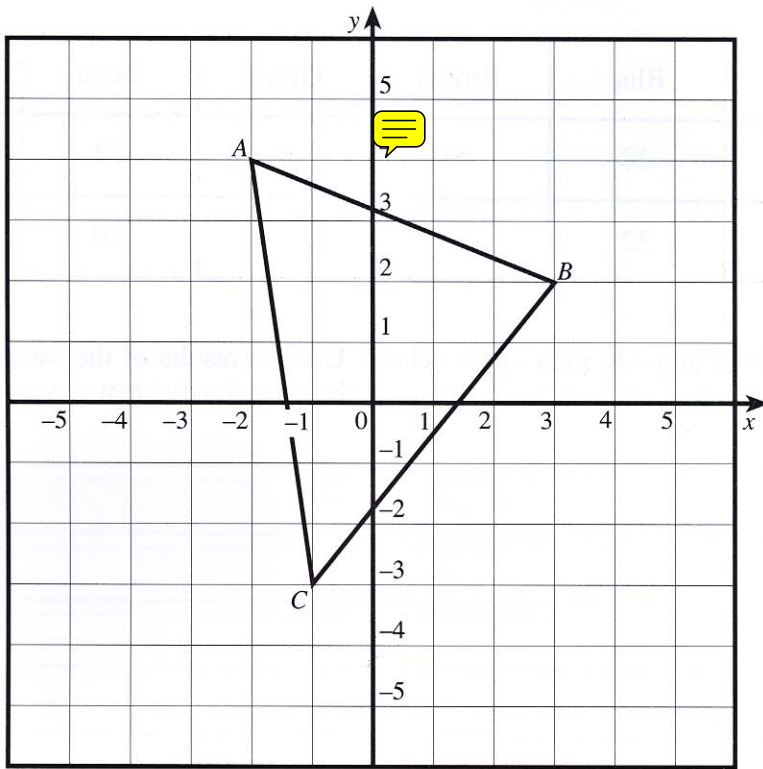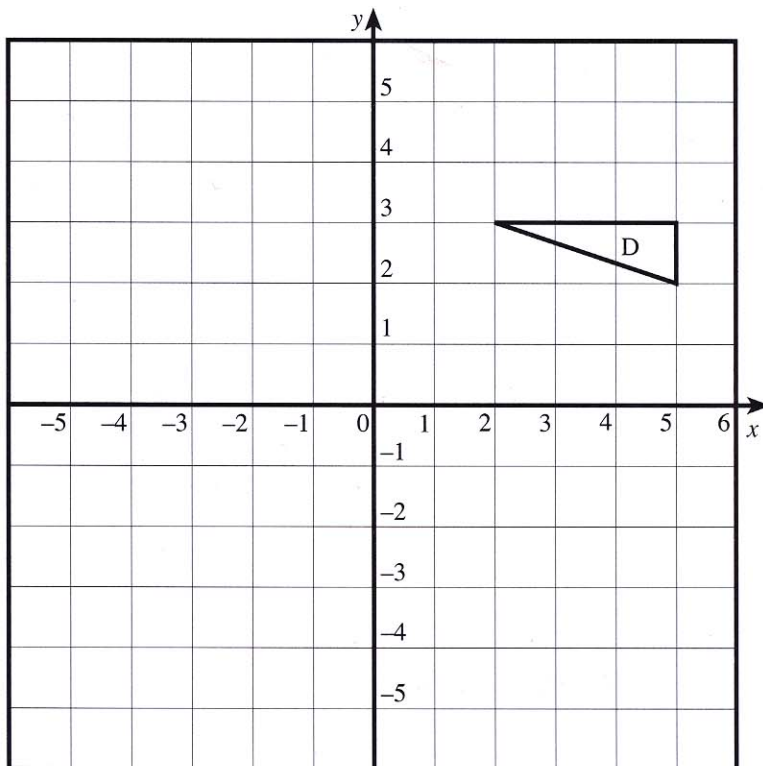Find the **single** transformation which takes shape $ABCDE$ to shape $A'B'C'D'E'$.
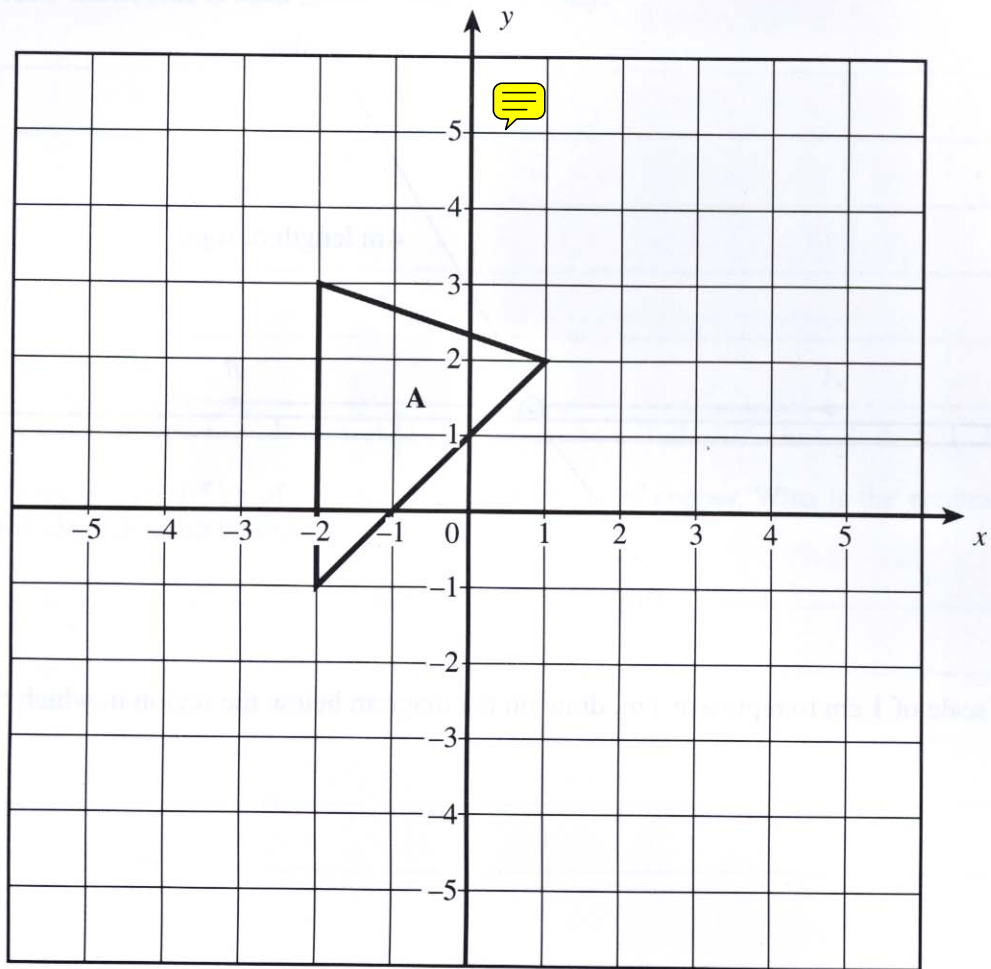
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[3]

5. *(a)* Draw the image when the triangle *ABC* is reflected in the line $y = -x$. [2]

(b) Draw the image when the triangle marked D is rotated through 90° anticlockwise about the point $(1, -1)$. [2]

Turn over.

6. *(a)* Draw the image of the triangle **A** after a translation of 4 units in the *x* direction and −2 units in the *y* direction. Label the image **B**. [2]

(b) Rotate the triangle **C** through 90° clockwise about the point (−1, −1). Label the image **D**. [2]