

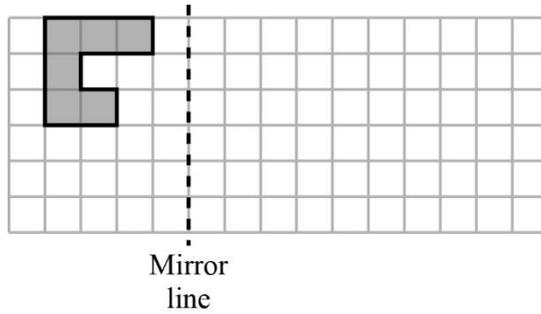
NAME

Time:

Non-Calculator Questions



- 1 A shaded shape is shown on the grid of squares.

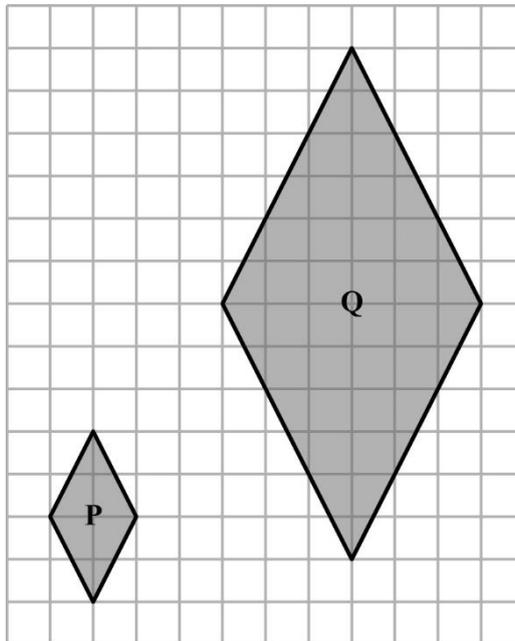


Reflect the shaded shape in the **mirror line**.

(2 marks)



- 3



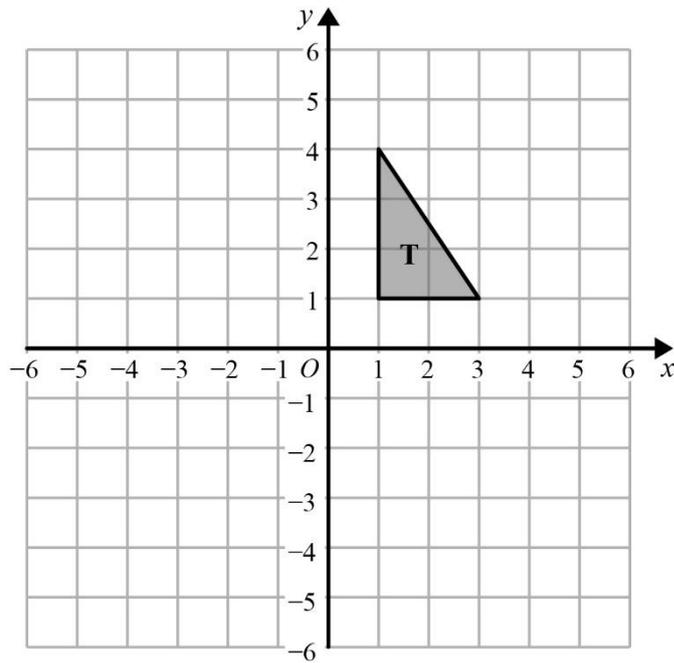
Shape **Q** is an enlargement of shape **P**.

Write down the scale factor of enlargement.

(1 mark)

Unit 10F Transformations (Phase 1) CONSOLIDATION and REVISION

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



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

(2 marks)

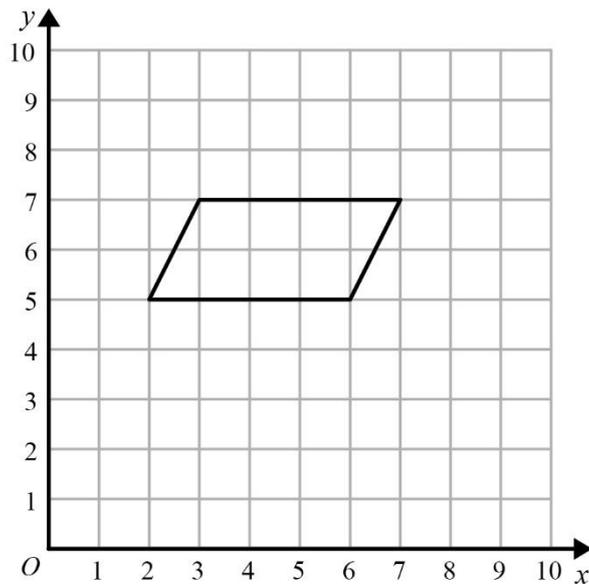


- b Reflect triangle **T** in the line $x = -1$
Label the new triangle **B**.

(2 marks)



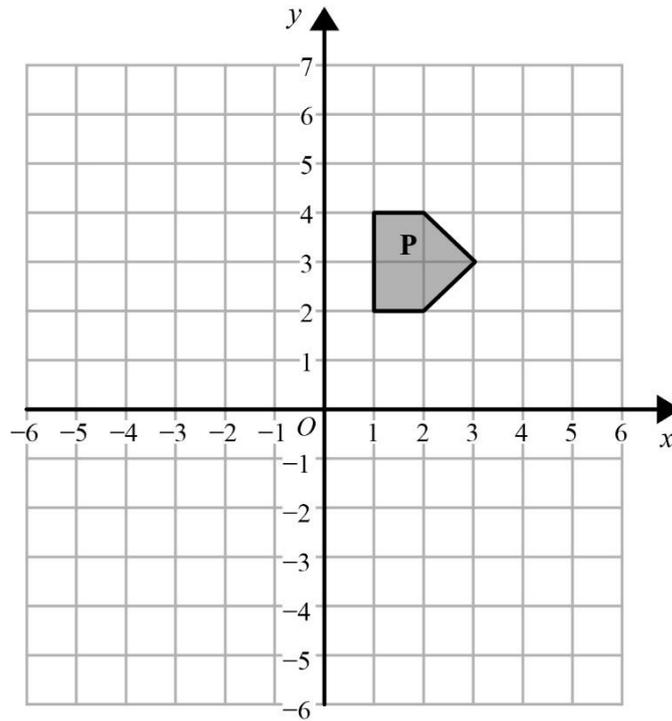
7 A parallelogram is shown on the grid.



Reflect the parallelogram in the line $y = 4$

(2 marks)

9



- a On the grid, rotate the shaded shape **P** 90° anticlockwise about O .
Label the new shape **Q**.

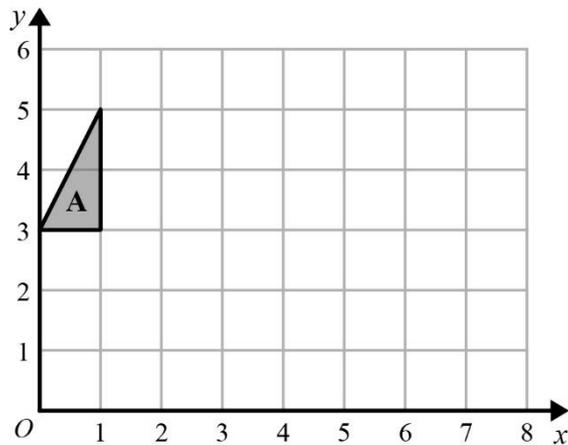
(2 marks)



- b On the grid, translate the shaded shape **P** by the vector $\begin{pmatrix} -5 \\ -6 \end{pmatrix}$.
Label the new shape **R**.

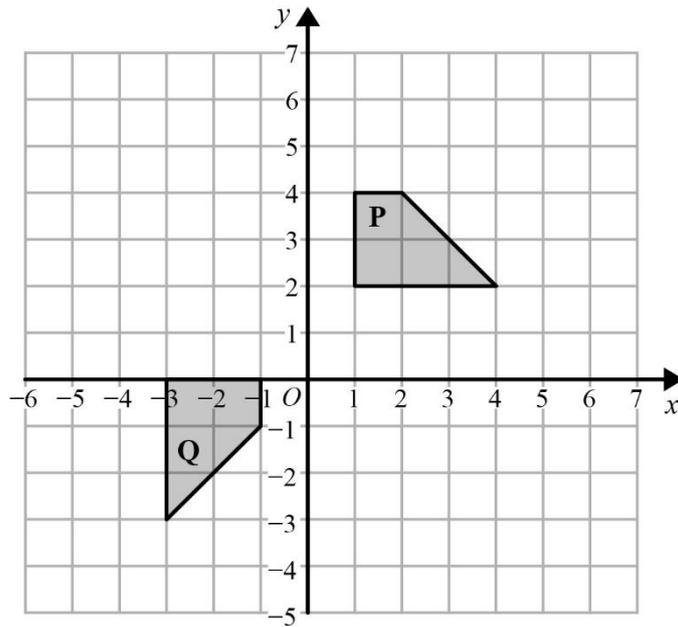
(2 marks)

11 Reflect the triangle in the line $y = x$



(2 marks)

13



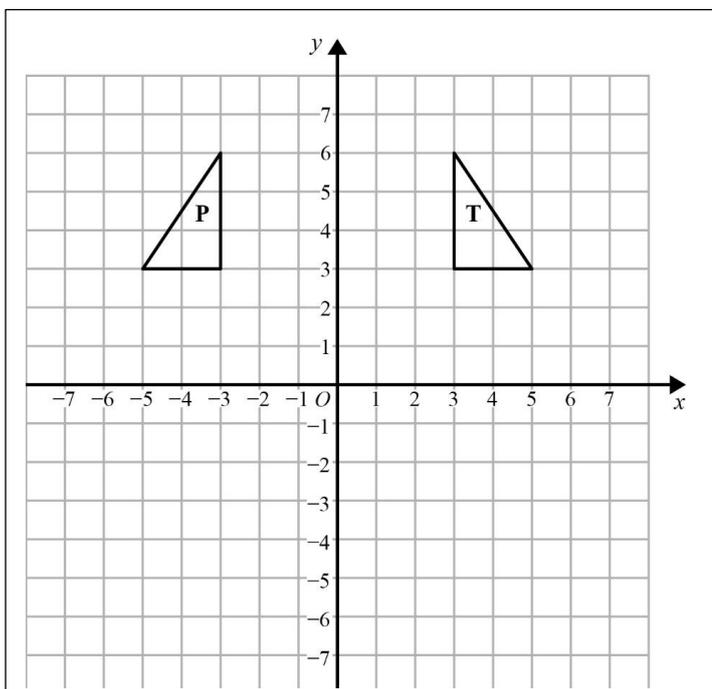
a Describe fully the single transformation that will map shape **P** onto shape **Q**.

(3 marks)

b Translate shape **P** by the vector $\begin{pmatrix} -3 \\ 1 \end{pmatrix}$

(2 marks)

15.



a Describe fully the single transformation that maps triangle **P** onto triangle **T**.

(2 marks)

b Rotate triangle **T** 180° about the point $(1, 1)$.

Label this triangle **R**.

(3 marks)

Overall mark /25