

Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Translation

Calculator Not Allowed

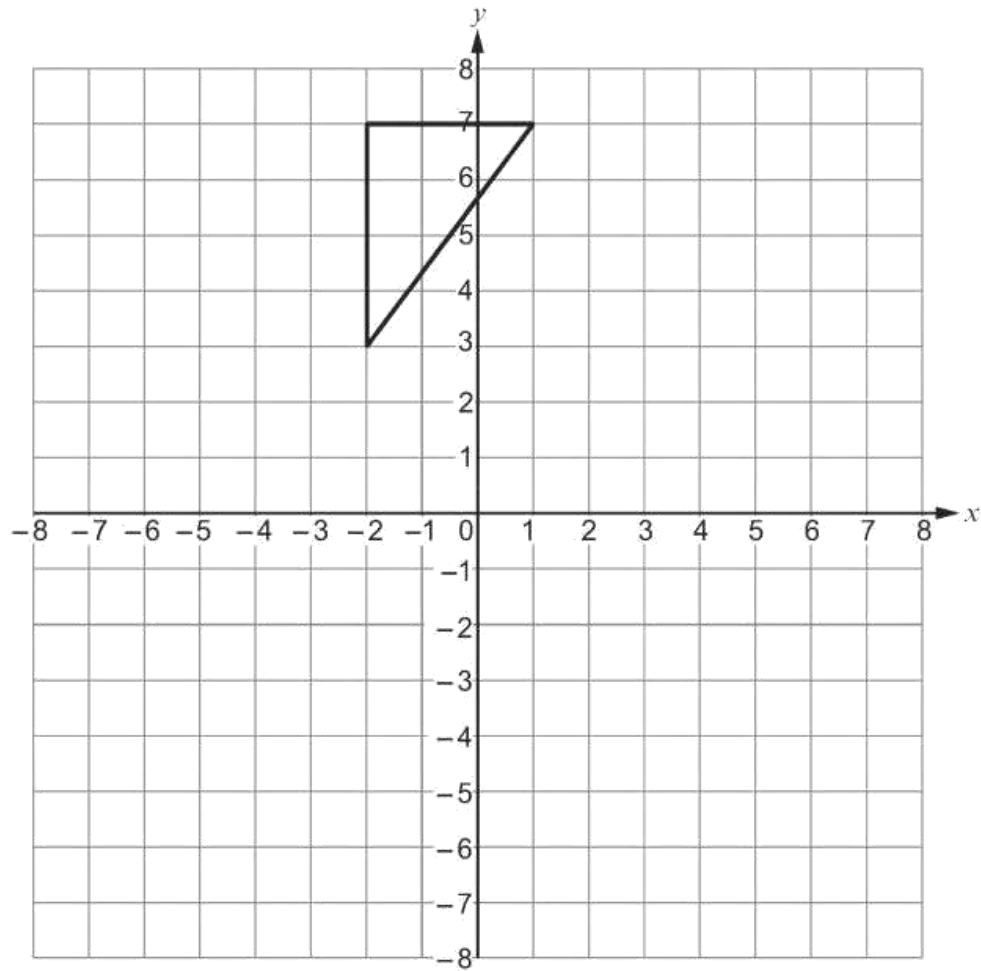
INSTRUCTIONS TO CANDIDATES

- Write your name in the space provided.
- Write your answers in the spaces provided in this question paper.
- Answer ALL questions.
- Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

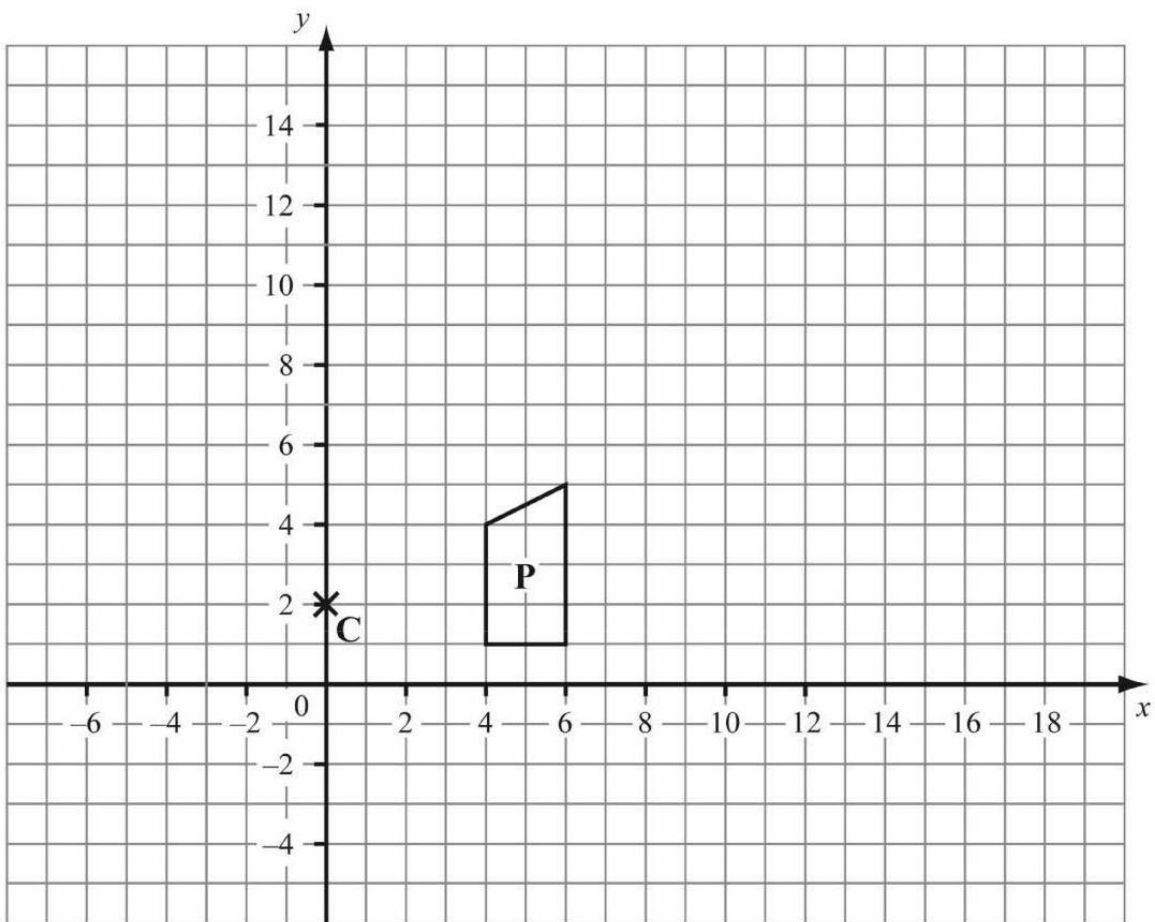
Total Marks :

1) Translate the given triangle 3 units to the right and 2 units down.

[1]



2)

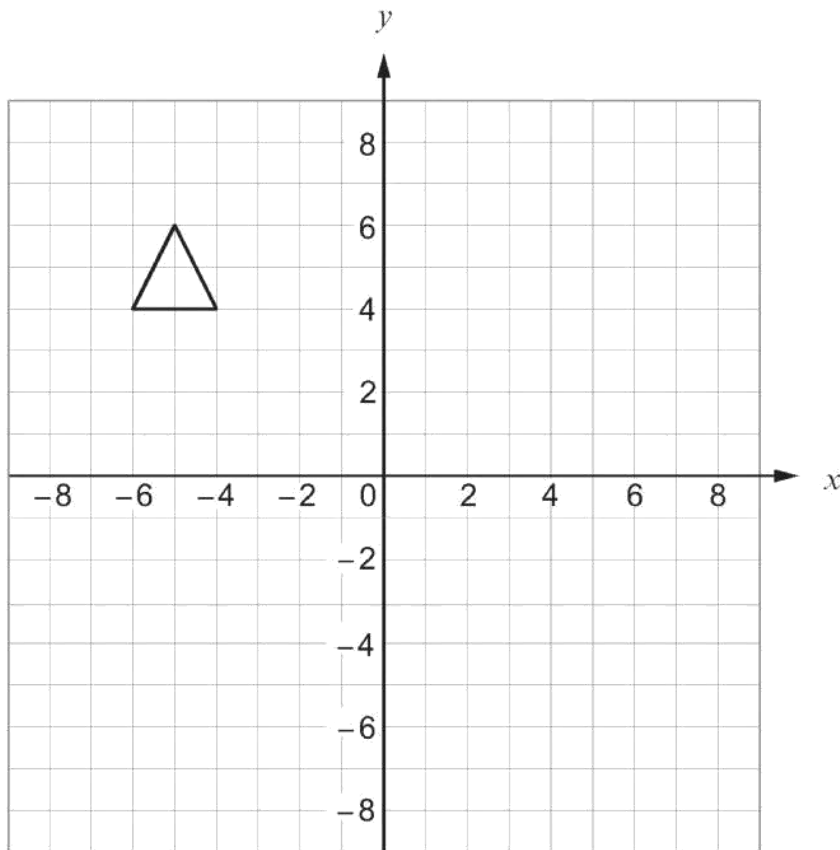


Shape P is shown on the grid.

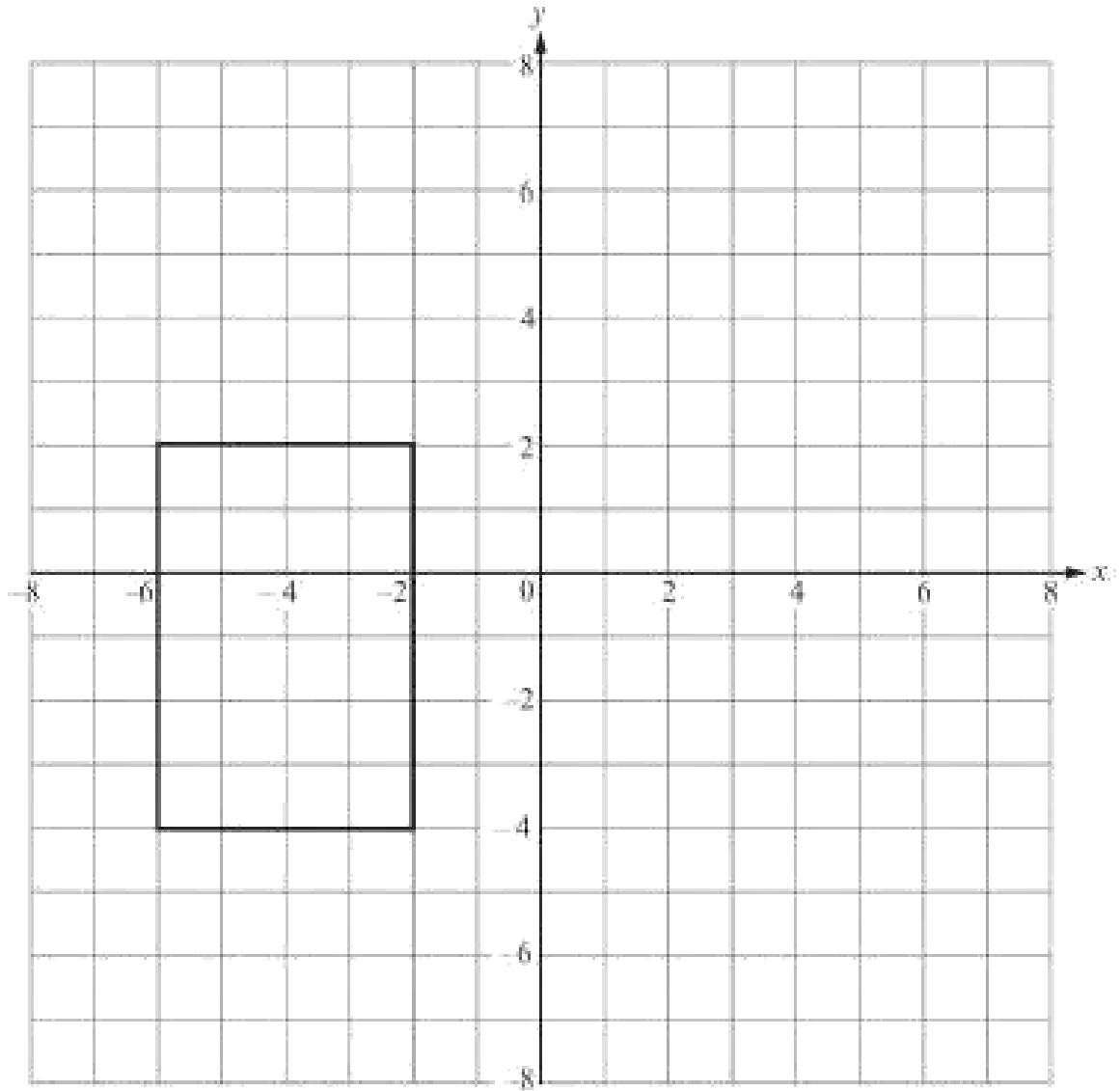
- (a) Draw the image of shape P under a translation $\begin{pmatrix} -3 \\ 5 \end{pmatrix}$. [2]

3) Translate the triangle shown below by $\begin{pmatrix} 8 \\ -2 \end{pmatrix}$.

[1]



- 4) Translate the rectangle shown below by $\begin{pmatrix} 2 \\ 4 \end{pmatrix}$

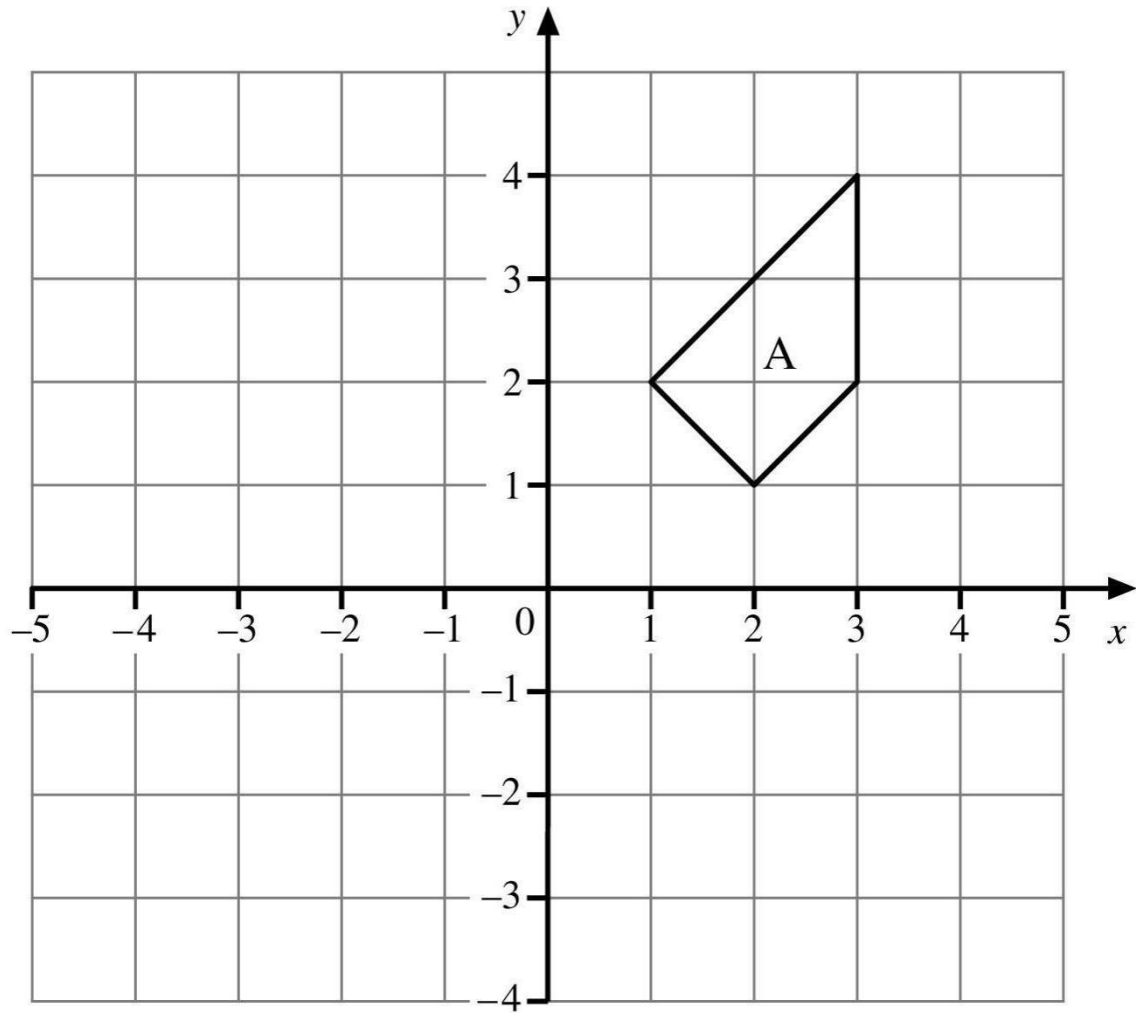


[1]

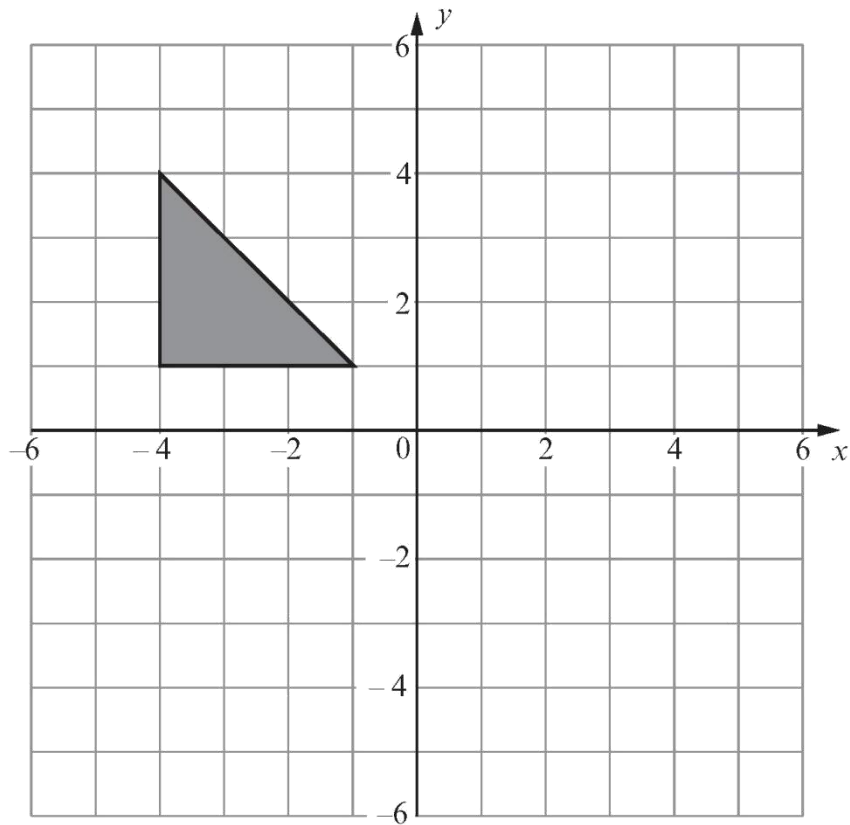
5) Draw the image of shape A after a translation

$$\begin{pmatrix} -5 \\ -4 \end{pmatrix}$$

[2]



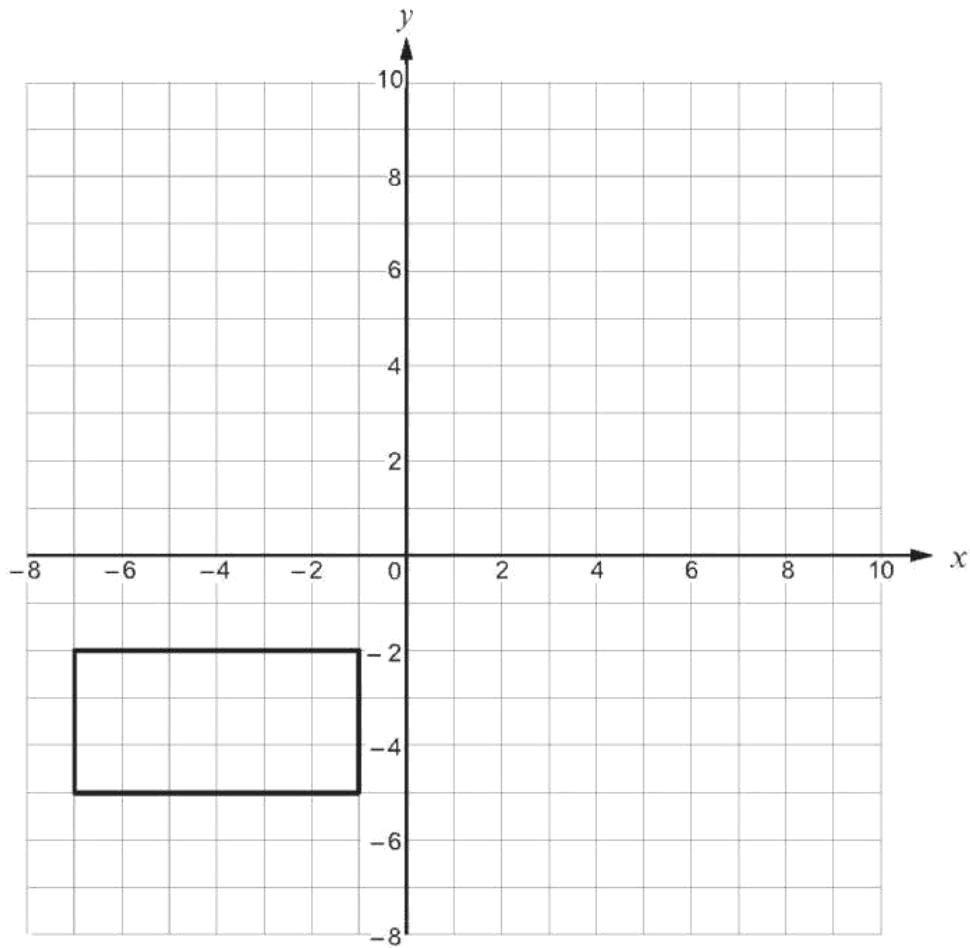
- 6) Translate the triangle shown below by $\begin{pmatrix} 5 \\ -3 \end{pmatrix}$.



[1]

7) Translate the rectangle shown below by $\begin{pmatrix} 8 \\ 5 \end{pmatrix}$.

[1]



8) Translate the rectangle shown below by

$$\begin{pmatrix} 4 \\ -2 \end{pmatrix}$$

[1]

