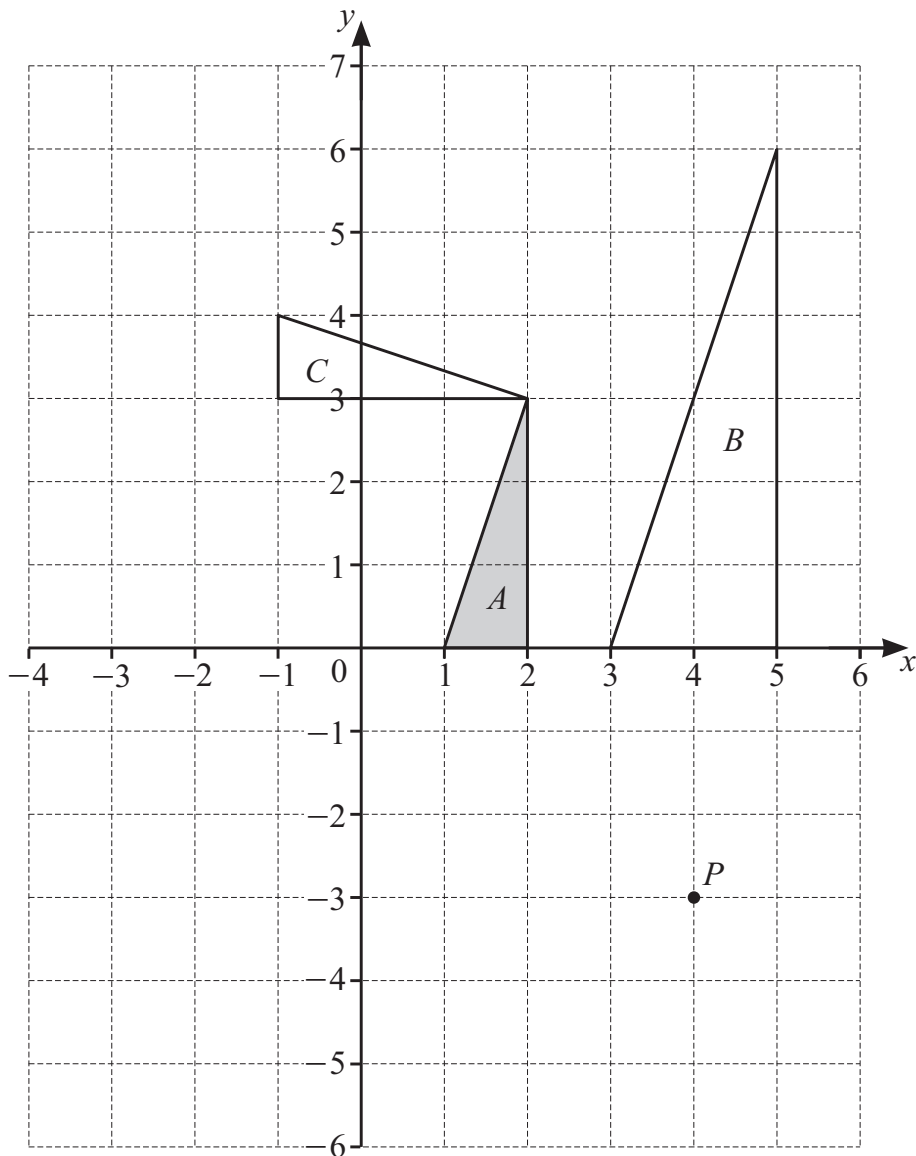


16 The diagram shows a point P and three triangles, A , B and C , on a 1 cm^2 grid.



(a) Find the area of triangle B .

..... cm^2 [1]

(b) (i) Write down the coordinates of point P .

(..... ,) [1]

(ii) Work out the coordinates of point P after a translation by the vector $\begin{pmatrix} -20 \\ 12 \end{pmatrix}$.

(..... ,) [1]

(d) Describe fully the **single** transformation that maps

(i) triangle A onto triangle B

.....
 [3]

(ii) triangle A onto triangle C .

.....
 [3]