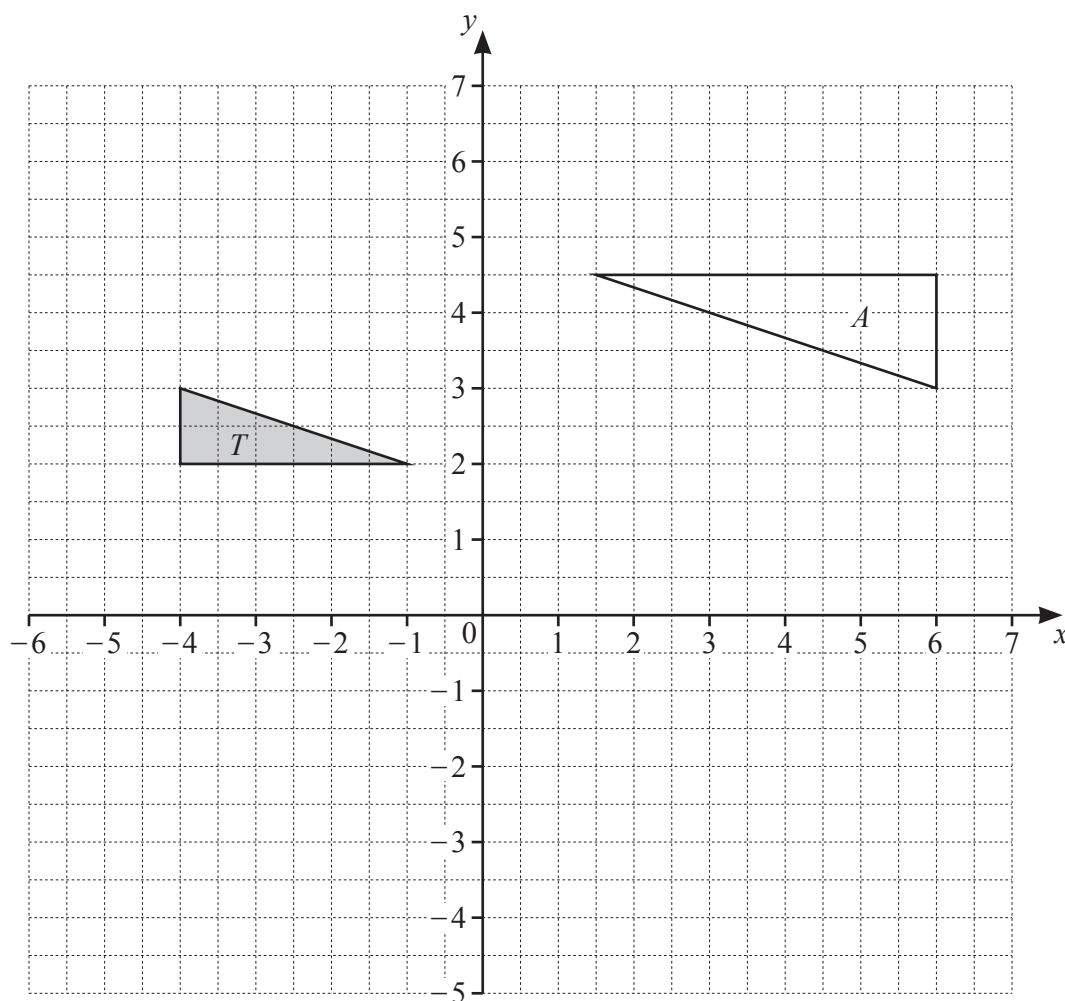


2 (a)



(i) Draw the image of triangle  $T$  after a reflection in the line  $y = x$ . [2]

(ii) Draw the image of triangle  $T$  after a translation by the vector  $\begin{pmatrix} -1 \\ 3 \end{pmatrix}$ . [2]

(iii) Describe fully the **single** transformation that maps triangle  $T$  onto triangle  $A$ .

.....

..... [3]

(b) A quadrilateral  $P$  is enlarged by a scale factor of 1.2 to give quadrilateral  $Q$ .  
The area of quadrilateral  $P$  is  $20 \text{ cm}^2$ .

Calculate the area of quadrilateral  $Q$ .

.....  $\text{cm}^2$  [2]