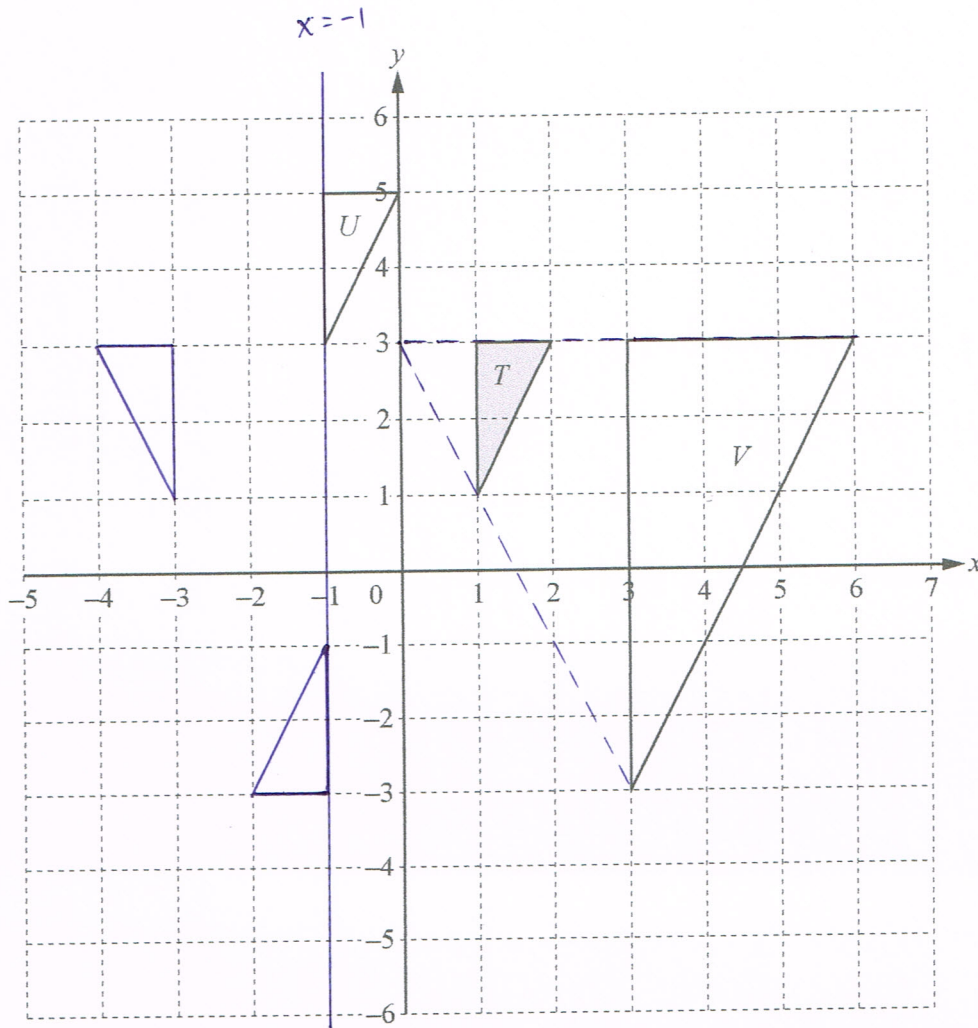


1



(a) On the grid, draw the image of

(i) triangle T after a reflection in the line $x = -1$, [2]

(ii) triangle T after a rotation through 180° about $(0, 0)$. [2]

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

(i) triangle T onto triangle U ,

Answer(b)(i) Translation by $\begin{pmatrix} -2 \\ 2 \end{pmatrix}$

..... [2]

(ii) triangle T onto triangle V .

Answer(b)(ii) Enlargement with scale factor 3 by point $(0, 3)$

..... [3]