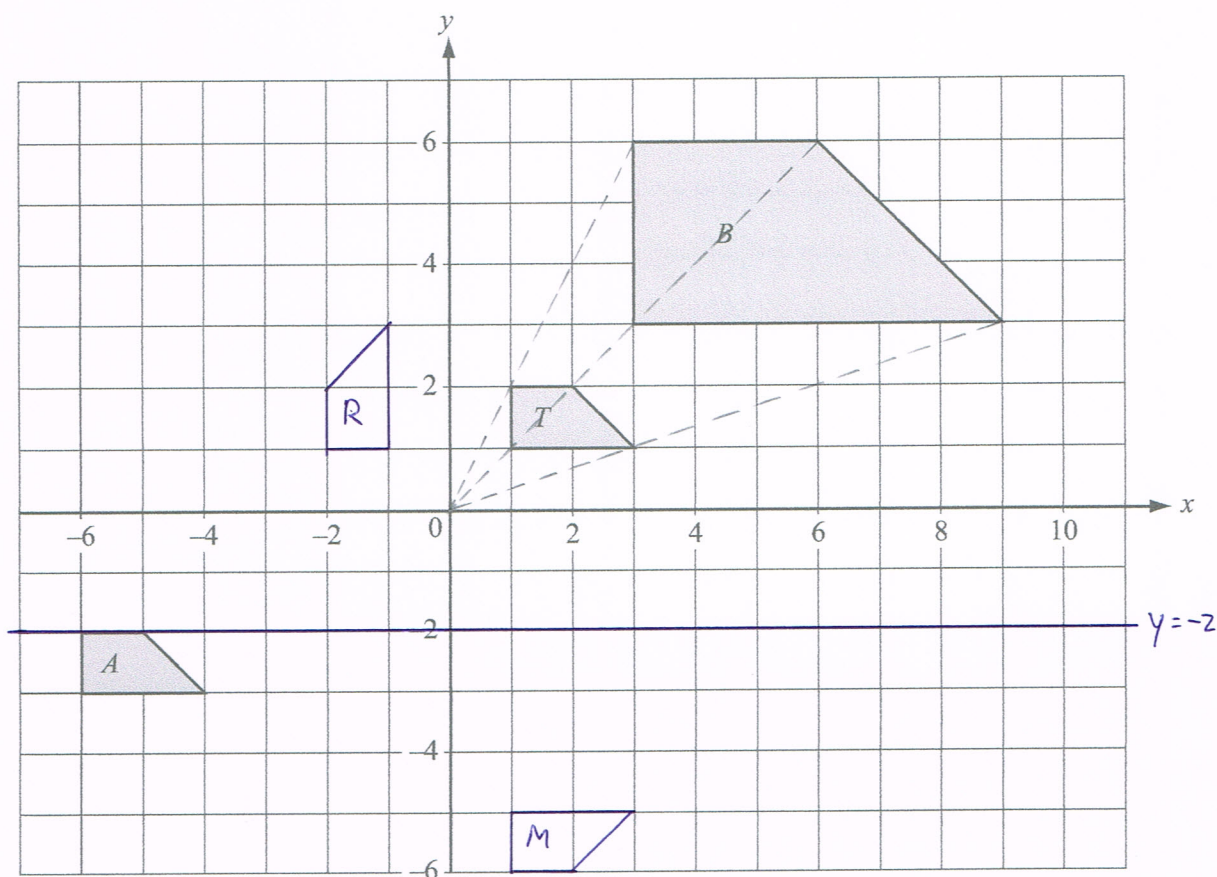


1

For
Examiner's
Use

The shapes T , A and B are drawn on the grid above.

(a) In each case describe fully the **single** transformation which maps

(i) T onto A ,

Answer(a)(i) Translation $\begin{pmatrix} -7 \\ -4 \end{pmatrix}$ [3]

(ii) T onto B .

Answer(a)(ii) Enlargement, scale factor 3, centre $(0,0)$ [3]

(b) Draw on the grid the rotation of T by 90° anticlockwise about $(0,0)$.
Label your answer R . [2]

(c) Draw on the grid the reflection of T in the line $y = -2$.
Label your answer M . [2]