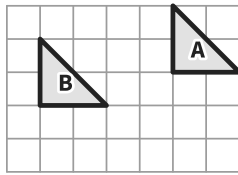


Mixed transformations: describe

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Translation by $\begin{pmatrix} -4 \\ -1 \end{pmatrix}$



- 2 A rotation about (0, 0) maps P (3, 1) to P' (-1, 3). Describe the rotation fully.

90° anticlockwise,
centre (0, 0)

- 3 A triangle has corners (1, 1), (2, 1) and (1, 3). Its image has corners (3, 3), (6, 3) and (3, 9). Describe fully the single transformation.

Enlargement, scale factor 3,
centre (0, 0)

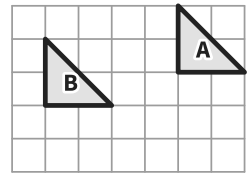
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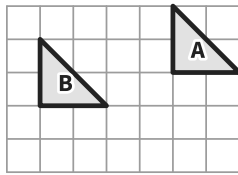
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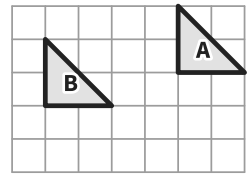
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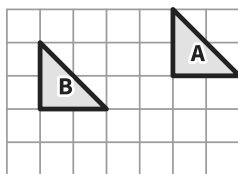
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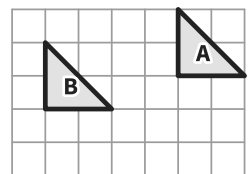
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