Notes on Describing Transformations

Translations

Shape A has been translated by $\begin{pmatrix} 5 \\ -1 \end{pmatrix}$ to give shape B

Reflections

A has been reflected in: the x-axis
the y-axis
the line $y = -4$
the line $x = 2$
the line $y = x$

Rotations

A has been rotated 90° clockwise about $(3, 5)$
rotated 90° anti-clockwise about $(9, 0)$
rotated 180° about $(3, -2)$

Enlargements

A has been enlarged by scale factor 2 about the point $(4, 2)$

Scale factor could be $2, 3, \frac{1}{2}, -2, -1$