Transformations
Translations, Reflections, Rotations, Enlargements
Tranlations


Translate $A$ by $\binom{8}{-2}$ togive $B$

Reflections


Reflect $A$ in $x$-axis to give $B$

Reflect B in y-axis to give C


Reflect $D$ in line $y=1$ to give $E$
$\frac{\text { Gich}\left.^{G}\right|_{x=-1} \mid \sqrt{F}}{}$

Reflect in line $x=-1$ to give $G$


Reflect $H$ in line $y=x$ to give I

$$
(x, y) \rightarrow(y, x)
$$

For corresponding points the lords swap eg $(5,4)$ becomes $(4,5)$
Vertical lines become horizontal
Horizontal lines become vertical
Points on $y=x$ do not move
Translations Exercise


ai) $A \in 0 B$ is a translation by $\binom{1}{3}$
aii) $A t_{0} C$ is a translation by $\binom{4}{2}$





