7.4 Translations and Vectors

Translations (slide)


Case 1.

$\overline{P Q} \| \overline{P^{\prime} Q^{\prime}}$
$\overline{P P^{\prime}} \| \overline{Q Q^{\prime}}$
case ${ }^{2}$
$P P^{\prime}$
Translations are Isometricer - martians shape ard size

Reflection on parallel (liner


Doable flection on parallel lines creates a rotation

Translation Notation
In a coordinate plane
all translations are described by a change in the $x, y$ or both

$$
\begin{aligned}
& (x, y) \rightarrow(x+a, y+b) \\
& \text { what does this meal }
\end{aligned}
$$

$$
\begin{aligned}
& \text { what does this mean } \\
& \text { a - change in } x \text { to to light }
\end{aligned}
$$

$$
\begin{aligned}
& a \text {-change in } x \text { - to cl et } \\
& b \text {-change in } y \text { - down }
\end{aligned}
$$



$$
\begin{aligned}
& P 425-427 \\
& 2-50 e v e n
\end{aligned}
$$



