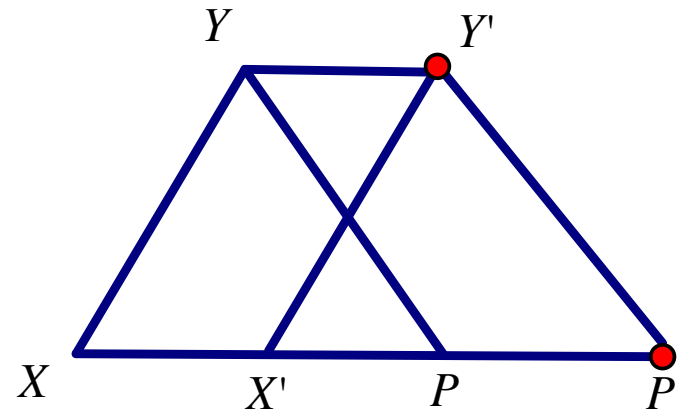
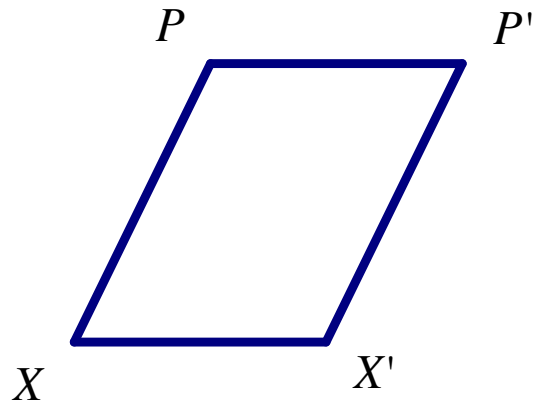


Translations

A translation that maps X into X' maps every point P into P' such that:

1. If P does not lie on $\overleftrightarrow{XX'}$, then $PXX'P'$ is a parallelogram.
2. If P does lie on $\overleftrightarrow{XX'}$, then there is a segment YY' such that both $XYY'X'$ and $PYY'P'$ are parallelograms.



The notation we use for a translation is that is moved graphically is $T_{(SM)}(x, y)$.

That is read the point (x,y) is mapped under the translation SM . We look at SM and use the slope to move the ordered pair.

