TRANSLATION

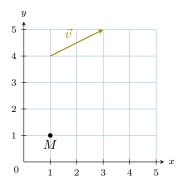
A WHAT IS A TRANSLATION?

Definition Translation of a Point -

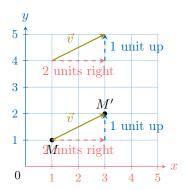
The **translation** of point M by vector \vec{v} is the point M' such that $\overrightarrow{MM'} = \vec{v}$: point M is slid to point M' following the direction and the length of the vector \vec{v} .



Ex: Find the coordinates of the image of point M under a translation by vector \vec{v} .



Answer:



M'(3,2)

Definition **Translation**

The translation of an object by vector \vec{v} is the figure obtained by translating all its points by the same vector \vec{v} .

