

Rigid Transformation Translation

Rigid transformation: A movement that preserves the **distance** and **angle measures** of a shape. That is, it *preserves* the *size* and *shape* of the pre-image to the image.

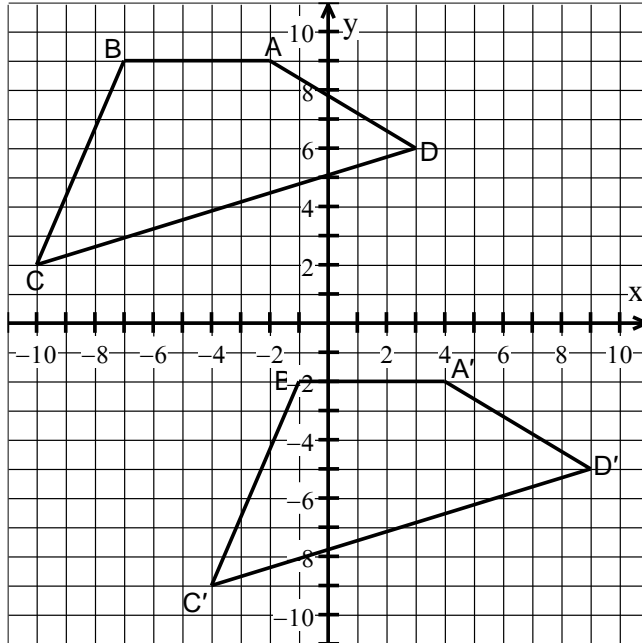
Translation: A transformation that moves a set of points the _____ along _____ to each other.

A translation is specifically described by BOTH the _____ and _____ movement to _____ the pre-image to its new position.

$(x, y) \rightarrow$

Segments connecting corresponding points of the pre-image to image are:

- _____
- _____



Example: Translate $\triangle ABC$ using $(x, y) \rightarrow (x + 9, y - 2)$ and list the new vertices.

A' : _____
 B' : _____
 C' : _____

