"Rigid motion"

Introduction to Transformations: Isometry

The word ___transformation___ means "___change___."

In Geometry, a transformation changes the ___shape___, ___size___, or ___position___ of a figure in the coordinate plane.

- ___Pre___-___image___ : original figure, ___BEFORE___ transformation
- ___Image___ : resulting figure, ___AFTER___ transformation

An ___image___ is denoted by an ___apostrophe___.

I'm prime!

　　　If ___A___ is the pre-image, then after the transformation ___A___ changes to ___A'___.

We will be working on ___3 different___ transformations, which means that the new image is ___congruent___ to the pre-image. Figures are ___congruent___ if they have the same ___size___, ___shape___, ___lines___, and ___angles___.

In ISOMETRIC transformations, the ___new___ image is simply ___moved___ to a new location.

ISOMETRIC TRANSFORMATIONS	Pre-image	Image
Pre-Image: Image:		
Pre-Image: Image:		
Pre-Image: Image:		