

Chapter 62

TRANSFORMATIONS

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Besides plotting points and shapes, we can also use the coordinate plane to work with shapes and figures.

A **TRANSFORMATION** is a change of position or size of a figure. When we transform a figure, we create a new figure that is related to the original.

TRANSLATIONS

One type of transformation is a **TRANSLATION**, which is a transformation that moves all the figure's points the same distance and direction. However, the orientation and size remain the same. The newly translated figure is called the **IMAGE**, and the new points are written with a **PRIME SYMBOL** ($'$).