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Perform Congruence Transformations

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| Vocabulary | Definition | Example |
| TRANSFORMATION | A transformation is an operation that moves or changes a geometric figure in some way to produce a new figure. |  |
| IMAGE | The new figure is produced by a transformation is the image. |  |
| TRANSLATION | A translation moves every point of a figure the same distance in the same direction. |  |
| REFLECTION | A reflection uses a *line of reflection* to create a mirror image of the original figure. |  |
| ROTATION | A rotation turns a figure about a fixed point, called a *center of rotation.* |  |
| CONGRUENCE TRANSFORMATION | A congruence transformation changes the position of a figure without changing its size or shape. |  |