

# Geometry Definitions

1. Transformation – In a plane, a one-to-one mapping in which each point of a figure is paired with exactly one point of a corresponding figure.
2. Translation – A transformation in which a figure is moved to a new location by sliding all points on the figure the same distance in the same direction.
3. Reflection – A transformation that flips a figure over a line called the line of reflection.
4. Rotation – A transformation that turns a figure about a point called the center of rotation.