GEOMETRIC TRANSFORMATIONS

A TYPES OF TRANSFORMATIONS

Transformations are ways to move, flip, or turn a shape.

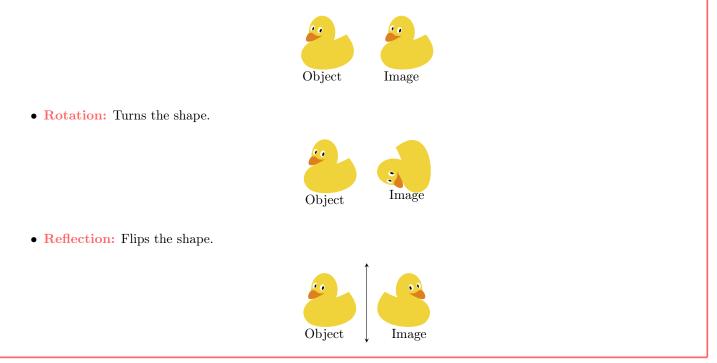
. Definition Object and Image _

When a transformation is applied to a shape, the original shape is called the **object**. The resulting shape after the transformation is called the **image**.

Definition **Types of Transformations**

There are several types of transformations, including:

• Translation: Moves the shape to a new position without changing its shape, size, or orientation.



B PATTERNS

- Definition **Pattern** A **pattern** is created by repeating a transformation (such as translation or rotation) to form a design.

Ex: The following pattern is created by repeating a translation:

