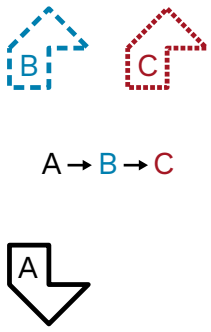
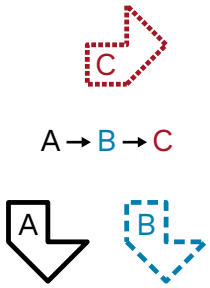
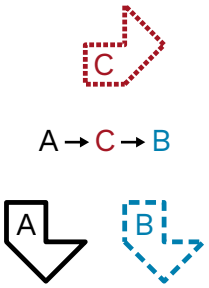
Sequence of Transformations

Examples & Non-Examples

Example	Example	Non-Example
		

Definition

A **sequence of transformations** is a set of **two or more transformations** applied **in a specific order** to a figure on the coordinate plane.

Key Points:

- Each transformation is performed **on the result** of the previous one.
- The sequence can include **translations, reflections, rotations**, and **dilations**.
- The **order matters** — changing the order can lead to a different final image.
- A sequence can also be called a **composition of transformations**.

Example:

If a triangle is **rotated 90°**, then **reflected over a line**, the result is different than if you **reflect first** and then **rotate**. This is a sequence of two transformations.