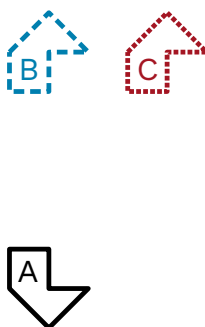
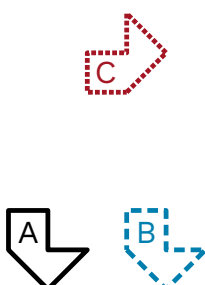


Composition of Transformations

Examples & Non-Examples

Example	Example	Non-Example
		

Definition

A **composition of transformations** is when **two or more transformations** are performed on a figure **in sequence**, one after another.

Key Points:

- Each transformation changes the figure, and the next one is applied to the **result** of the previous one.
- Common transformations used in compositions include **translations**, **reflections**, **rotations**, and **dilations**.
- The **order matters** — doing a rotation followed by a reflection usually gives a different result than doing the reflection first.

Example:

If a figure is first **reflected over the x-axis** and then **translated 3 units right**, that's a **composition of transformations**.

