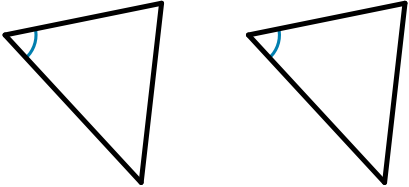
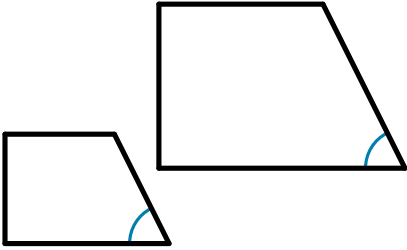
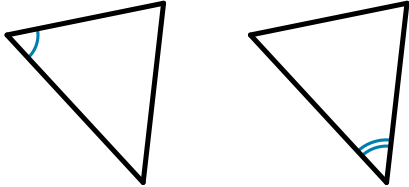


Corresponding Angles (Polygons)

Examples & Non-Examples

Example	Example	Non-Example
		

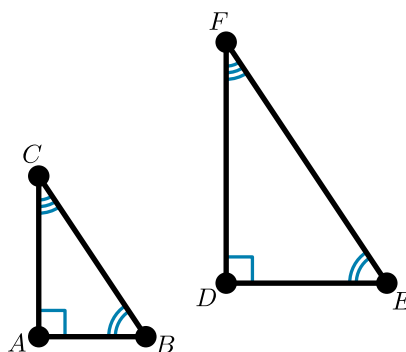
Definition

Corresponding angles in polygons are **angles that occupy the same relative position in two similar or congruent polygons.**

For example, if two polygons are matched by a transformation (like a translation, rotation, reflection, or dilation), the angles that “line up” with each other are called corresponding angles.

Example

If you have two similar triangles: $\triangle ABC$ and $\triangle DEF$



Then:

- $\angle A$ and $\angle D$ are corresponding angles
- $\angle B$ and $\angle E$ are corresponding angles
- $\angle C$ and $\angle F$ are corresponding angles

In **similar polygons** and **congruent polygons**, corresponding angles are **equal in measure.**

