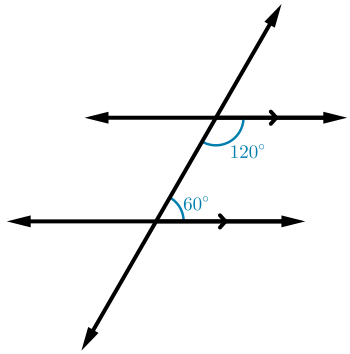
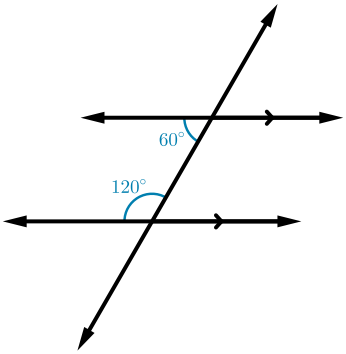
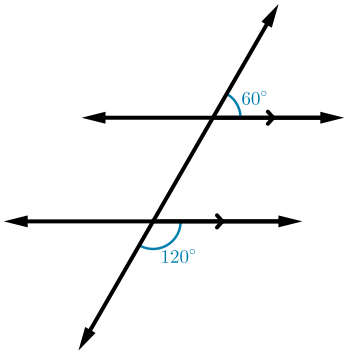
Same-Side Interior Angles (Consecutive Angles)

Examples & Non-Examples

Example	Example	Non-Example
		

Definition

In Geometry, **same-side interior angles** are:

> "**A pair of angles** that are on the **same side of the transversal** and **between** the two lines it intersects."

Key characteristics:

- They are **inside** the two lines
- On the **same side** of the transversal
- Also called **consecutive interior angles**

Important fact:

If the two lines are **parallel**, then **same-side interior angles are supplementary** — meaning their measures **add up to** $180°$.

Example:

If lines $l \| m$ and transversal t crosses them, then:

- $\angle 3$ and $\angle 4$ form a pair of **same-side interior angles**, and $\angle 3 + \angle 4 = 180°$.