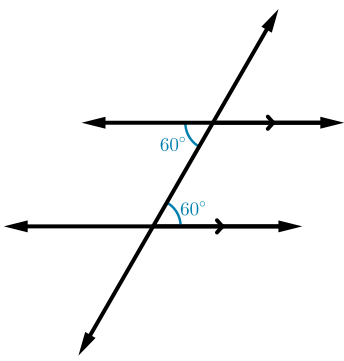
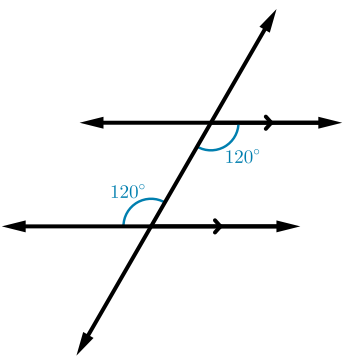
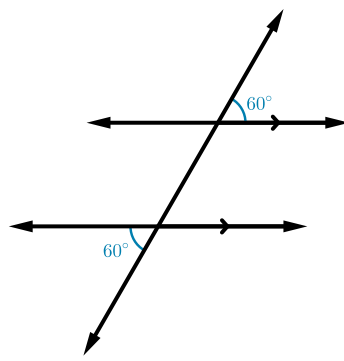


Alternate Interior Angles

Examples & Non-Examples

Example	Example	Non-Example
		

Definition

Alternate interior angles are **a pair of angles** formed when a **transversal intersects two lines**, and they are:

- **On opposite sides** of the transversal
- **Between** (or **inside**) the two lines

Key fact:

If the two lines are **parallel**, then **alternate interior angles are congruent** (equal in measure).

Example:

If line l and line m are parallel, and transversal t crosses them, then:

- Angle 3 and angle 4 form a pair of **alternate interior angles**, and **angle 3 $\cong$ angle 4**.

