

Given Parallel Lines and a Transversal

Alternate Interior

$\angle 2 + \angle 8, \angle 3 + \angle 5$

Alternate interior angles are \cong .

Corresponding Angles

$\angle 1 + \angle 5, \angle 3 + \angle 7$
 $\angle 4 + \angle 8, \angle 2 + \angle 6$

Corresponding angles are \cong .

Alternate Exterior

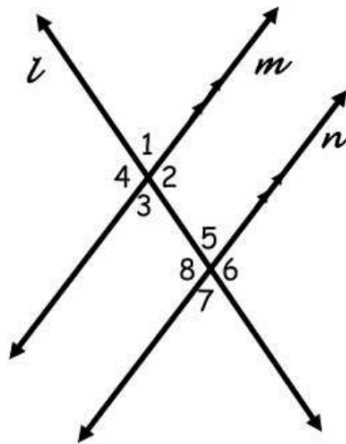
$\angle 1 + \angle 7, \angle 4 + \angle 6$

Alternate exterior angles are \cong .

Same Side Interior or Consecutive Interior

$\angle 2 + \angle 5, \angle 3 + \angle 8$

Same side interior or consecutive interior angles are Supplementary.



Same Side Exterior or Consecutive Exterior

$\angle 1 + \angle 6, \angle 4 + \angle 7$

Same side exterior or consecutive exterior angles are Supplementary.

Vertical Angles

Vertical angles are \cong .

Linear Pair

Linear pair of angles are Supplementary.