

2.6 Angles Supplementary to the same angle are congruent.



$\angle 1$ & $\angle 2$ are supplementary & $\angle 1$ & $\angle 3$
So $\angle 2 \cong \angle 3$

Alternate Interior Angles : If two parallel lines are cut by a transversal, then alternate interior angles are congruent.

Consecutive Interior Angles : If two parallel lines are cut by a transversal, then consecutive interior angles are supplementary.