

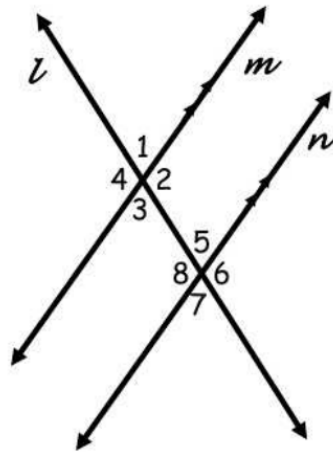
## Given Angle Relationships to PROVE PARALLEL LINES

Using Corresponding Angles

If corresponding  $\angle$ 's are  $\cong$  then lines are parallel.

Using Alternate Interior Angles

If the alternate Interior  $\angle$ 's are  $\cong$  then lines are parallel



Using Consecutive Interior Angles  
(Using Same-Side Interior Angles)

If Same-Side Interior  $\angle$ 's are supplementary then lines are parallel

Using Alternate Exterior Angles

If the alternate Exterior  $\angle$ 's are  $\cong$  then lines are parallel.

Using consecutive Exterior Angles  
(Using Same-Side Exterior Angles)

If the same side exterior  $\angle$ 's are supplementary then the lines are parallel.