Review

Acute angle: Angles in a triangle add up to _____

Obtuse angle:

How to label an angle:
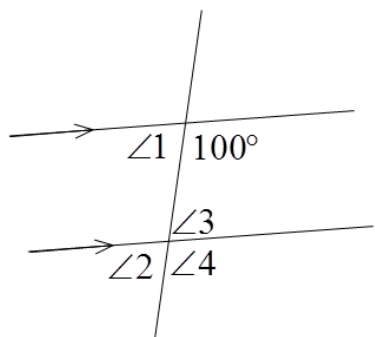
Right Triangle	Complimentary & Supplementary Angles
Vertically Opposite Angles	**Angles at a Point**
Parallel & Perpendicular Lines	**Transversal**

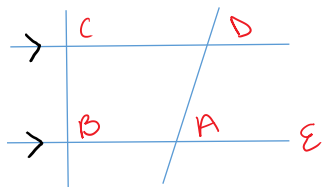| When there are a pair of parallel lines and a transversal line, the following rules apply:	
Alternate Interior Angles	**Alternate Exterior Angles**
Corresponding Angles	**Interior Angles**

Using the rules above, you can determine the measures of missing angles in a diagram. Justifications (ie. The rules above) must be given when you determine a missing angle to show *how/why* you know it.
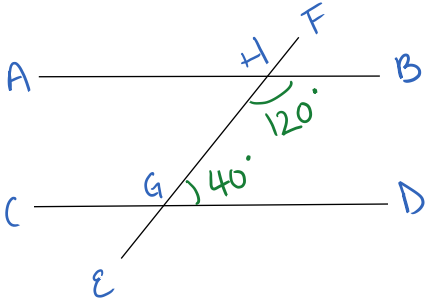
Example 1.

Example 2.

For many of the rules above (corres. angles, alt. int. angles etc) they are only true IF the two lines are _____.
The opposite statement *also* works. For example,

If two alternate interior angles are equal, then I know that the two lines are parallel.

Example 3. Is AB || CD? Explain.

A ————————— H /F ——— B
                 120°
       G / 40°
C ——————————————— D
    E

Example 4. Are lines AB and DC || to each other?

          B   D
E ——— F / 30° G / ——— H
                150°
      A   C