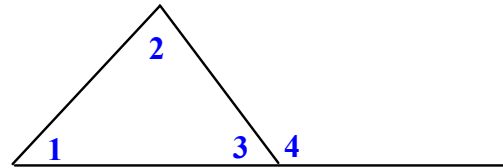


**4.2**  
**Measuring Angles in Triangles**

***Exterior Angle Theorem***



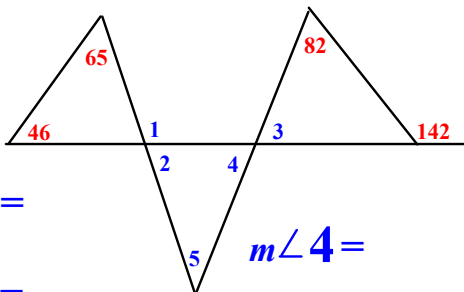
**Remote Interior Angles**  
 (Two angles non-adjacent to the exterior angle)

**Exterior Angle**  
 (Angle located on the outside of the triangle)

The sum of the Remote Interior Angles are equal to the Exterior Angle

$$\angle 4 = \angle 1 + \angle 2$$

**EX 1:**



$$m\angle 1 =$$

$$m\angle 2 =$$

$$m\angle 3 =$$

$$m\angle 4 =$$

$$m\angle 5 =$$