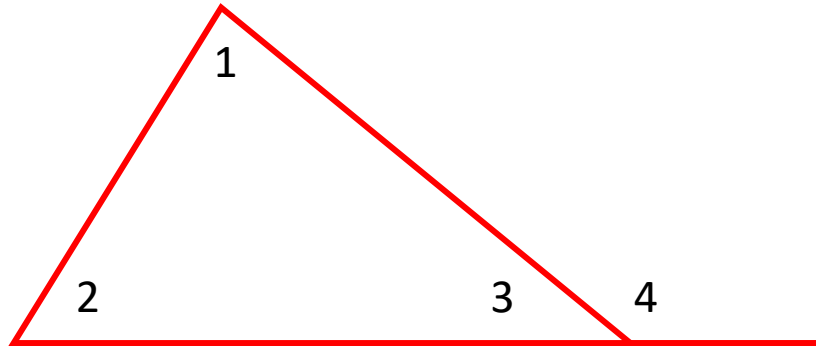


Triangle Sum & Exterior Angle Theorems



$$m\angle 1 + m\angle 2 + m\angle 3 = 180^\circ \quad \text{and} \quad m\angle 3 + m\angle 4 = 180^\circ$$

$$m\angle 1 + m\angle 2 + m\angle 3 = m\angle 3 + m\angle 4$$

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