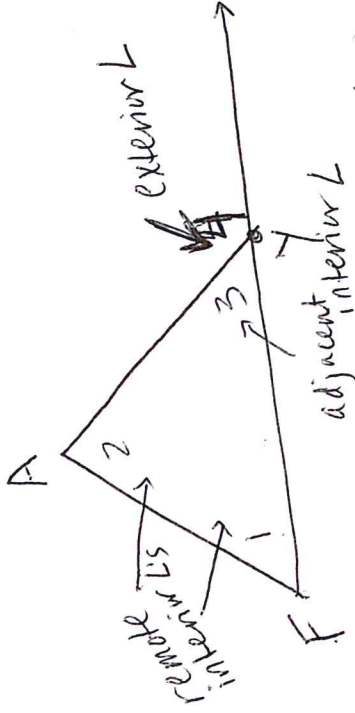


# △ Exterior Angle Theorem



L4 is an exterior angle (formed by a side and an extension of a side).

L1, L2, L3 are interior angles (inside polygon).

L1 & L2 are remote interior Ls to L4.

L3 is an adjacent interior L to L4.

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

P 222 C-23

The measure of an exterior angle of a triangle is equal to the sum of the measures of its remote interior angles.

HW #8: p 204: 1-10, 14-15  
p 224: 10-11