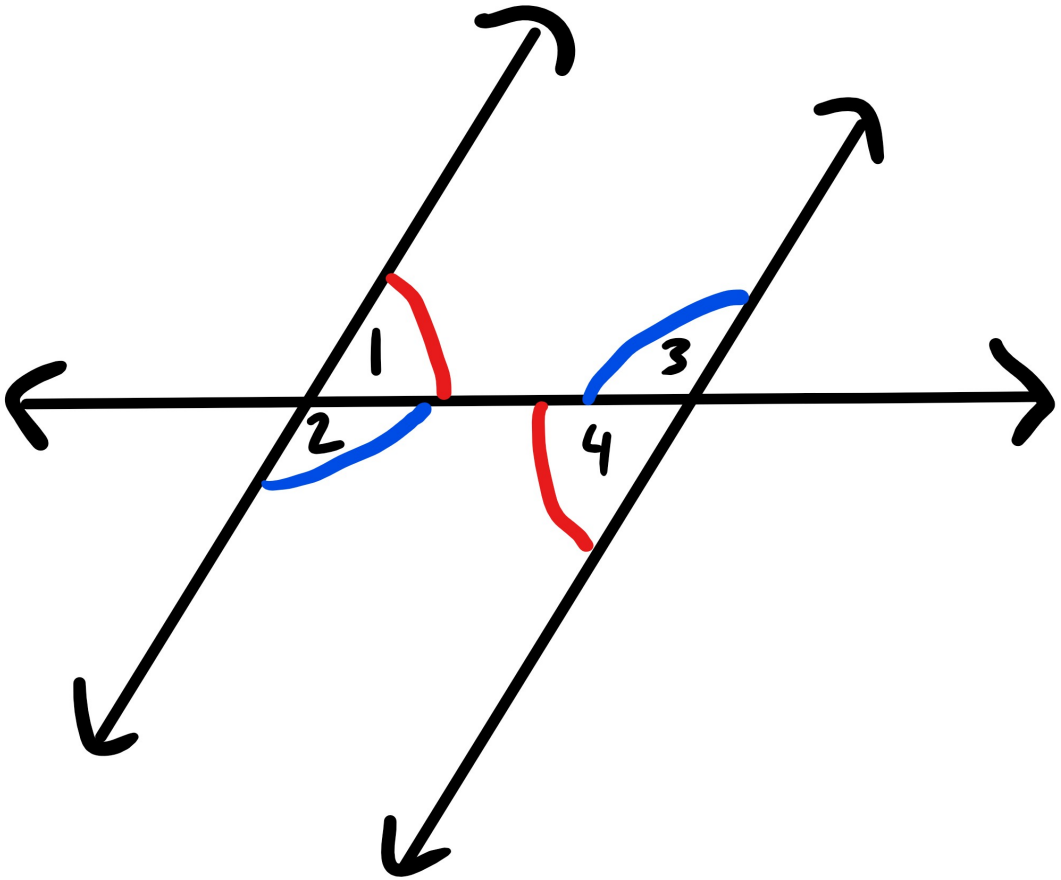
Alternate Interior ∠'s

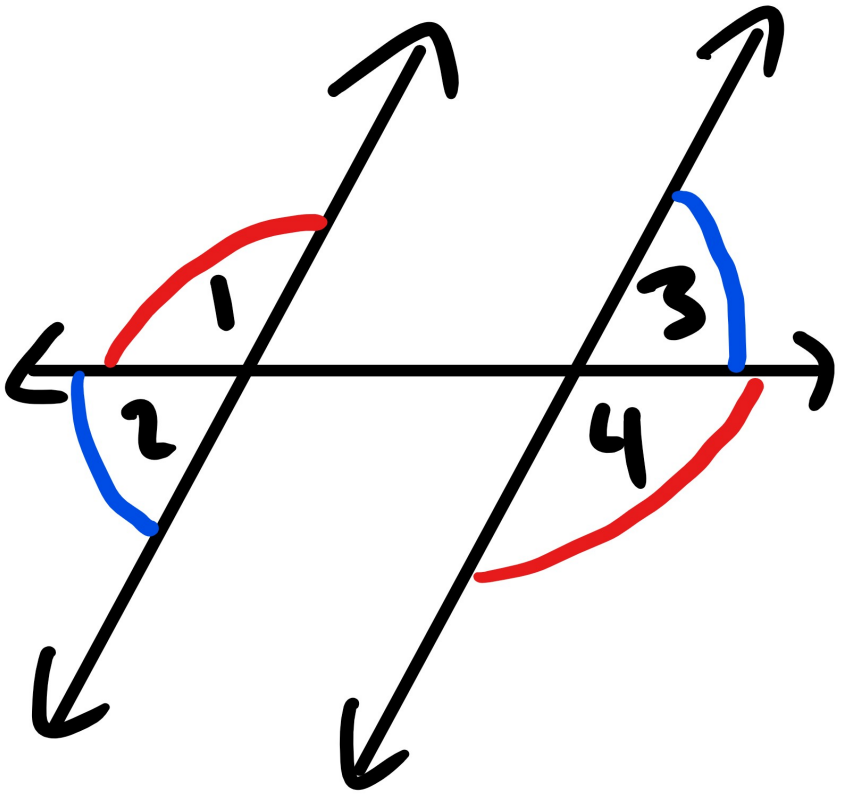


- Alternate → opposite
- Interior → inside
- Alt. Int. ∠'s are ≅

$\angle 2 \cong \angle 3$

$\angle 1 \cong \angle 4$

Alternate Exterior ∠'s

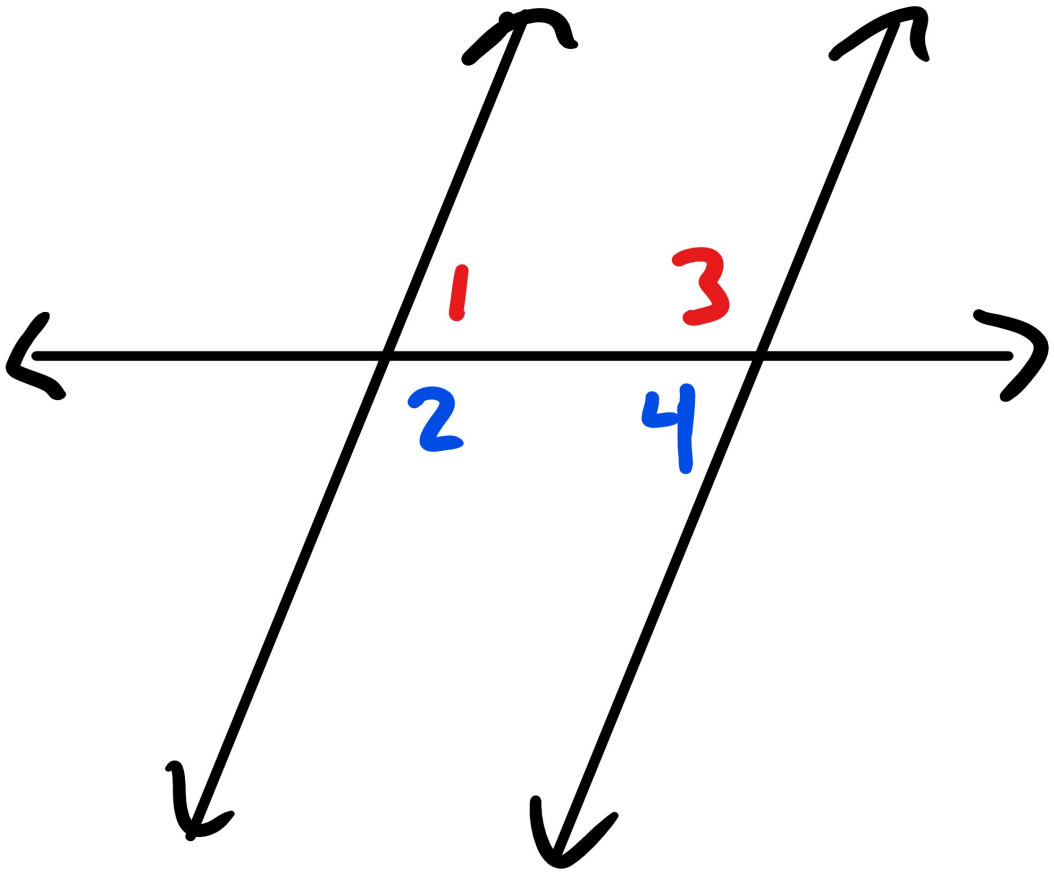


- Alternate → opposite
- Exterior → outside
- Alt. Ext. ∠'s are ≅

$\angle 1 \cong \angle 4$

$\angle 2 \cong \angle 3$

Same Side Interior ∠'s

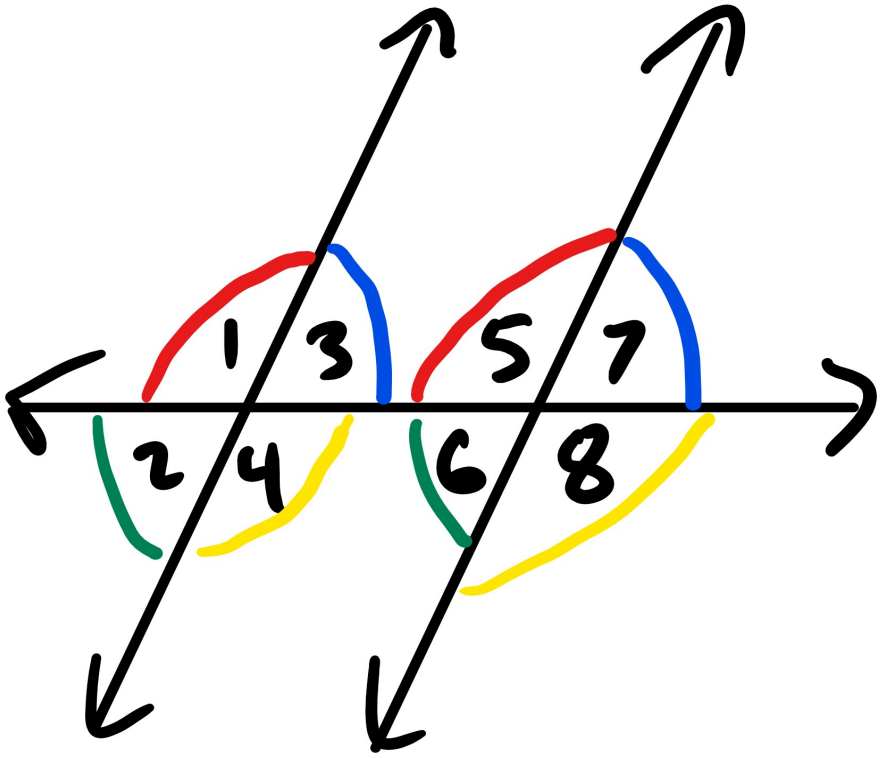


- Interior → inside
- S.S. Int. ∠'s add to 180°

$m\angle 1 + m\angle 3 = 180°$

$m\angle 2 + m\angle 4 = 180°$

Corresponding ∠'s



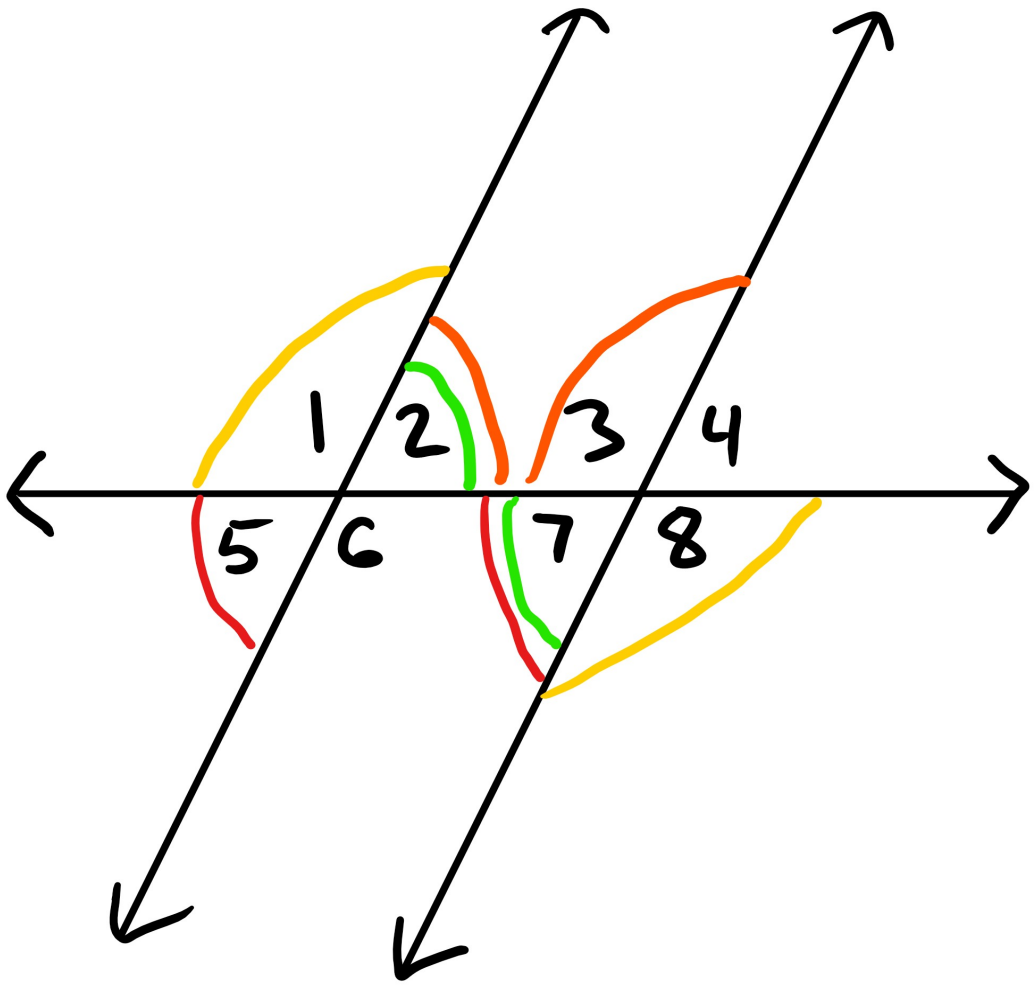
- Same Side of Transversal
- Both Acute or Both Obtuse
- Corresponding ∠'s are ≅.

$\angle 1 \cong \angle 5$

$\angle 3 \cong \angle 7$

$\angle 2 \cong \angle 6$

$\angle 4 \cong \angle 8$



Alt. Int. ∠'s

$\cong$ $\angle 2 \cong \angle 7$

Alt. Ext. ∠'s

$\cong$ $\angle 1 \cong \angle 8$

Corresponding ∠'s

$\cong$ $\angle 5 = \angle 7$

Same Side Int. ∠'s

$+ = 180$

$m\angle 2 + m\angle 3 = 180$