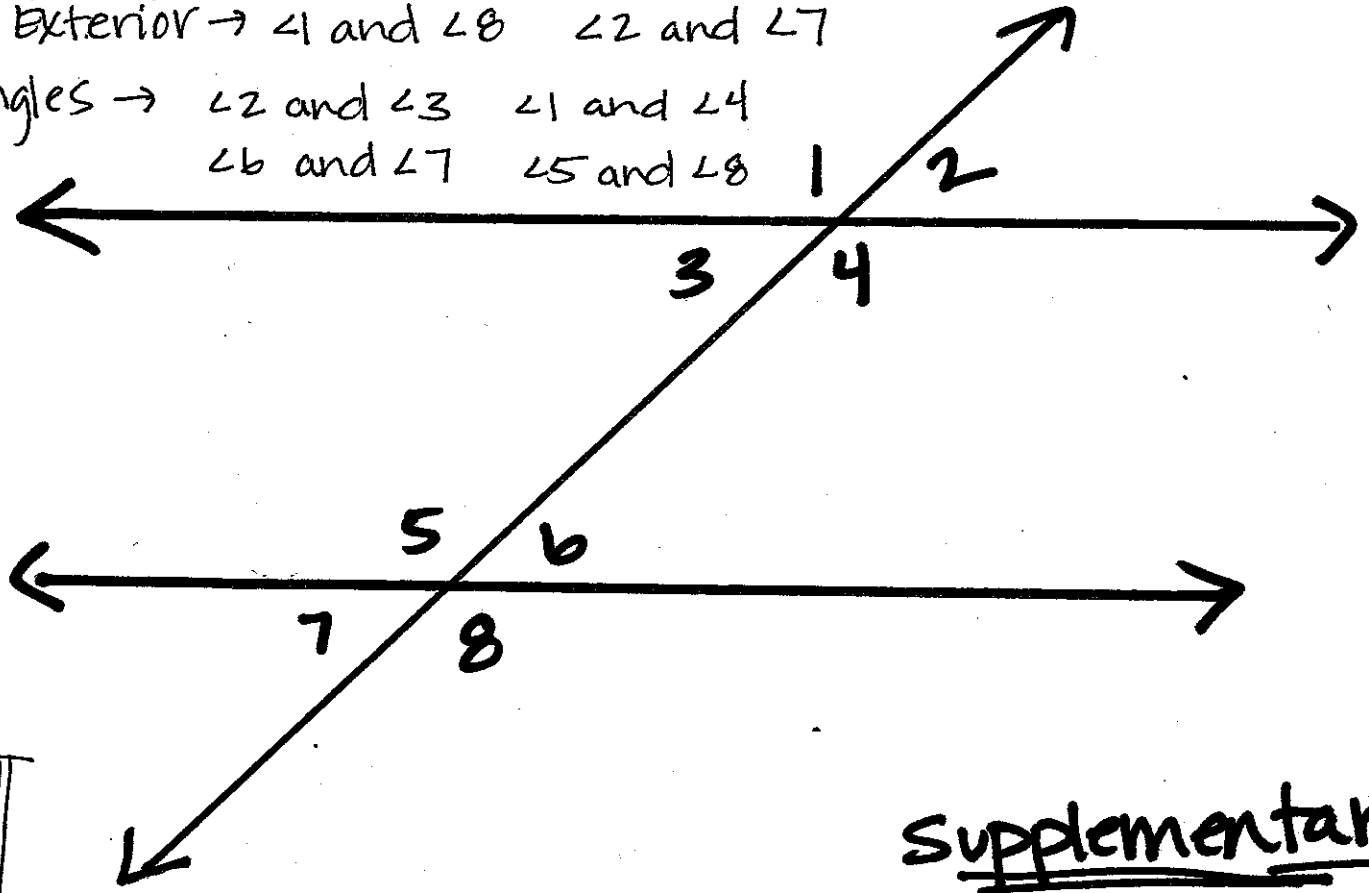
# Congruent ∠'s

1.) Corresponding Angles → ∠1 and ∠5  ∠2 and ∠6
∠3 and ∠7  ∠4 and ∠8

2.) Alternate Interior → ∠3 and ∠6  ∠4 and ∠5

3.) Alternate Exterior → ∠1 and ∠8  ∠2 and ∠7

4.) Vertical Angles → ∠2 and ∠3  ∠1 and ∠4
∠6 and ∠7  ∠5 and ∠8




*Parallel Lines cut by a Transversal

# Supplementary ∠'s

5.) same side interior  ∠3 + ∠5 = 180°
∠4 + ∠6 = 180°

6.) same side exterior  ∠1 + ∠7 = 180°
∠2 + ∠8 = 180°

Adjacent Angles forming a straight line = 180°  ∠1 + ∠2 = 180°  ∠5 + ∠6 = 180°