# Post. 3.4

**If 2 lines are cut by a transversal so that the corr. ∠'s are ≅ then the lines are parallel.**

## Post. 3.5 Parallel Post.

**If there is a line and a pt. not on the line, then there is exactly 1 line through the pt. that is parallel to the line.**

# Th. 3.5

**If 2 lines are cut by a transversal so that the alt. ext. ∠'s are ≅, then the lines are parallel.**

# Th. 3.6

**If 2 lines are cut by a transversal so that the cons. int. ∠'s are supp., then the lines are parallel.**

# Th. 3.7

**If 2 lines are cut by a transversal so that the alt. int. ∠'s are ≅, then the lines are parallel.**

# Th. 3.8

**In a plane, if 2 lines are ⊥ to the same line, then they are parallel.**