Chapter 3: Postulates/Theorems

**Theorem 3.3.1:** If two lines are parallel, then the interior angles on the same side of the transversal are supplementary.

**Theorem 3.3.2:** If two lines are cut by a transversal are parallel, then the corresponding angles are equal.

**Theorem 3.3.3:** If two lines are cut by a transversal are parallel, then the alternate interior angles are equal.

**Alternate Interior Angles Postulate:** If a transversal intersects two lines so that the alternate interior angles are equal, then the lines are parallel.

**Theorem 3.7.1:** If corresponding angles are equal, then the lines are parallel.

**Theorem 3.8.1:** If two lines are cut by a transversal so that the angles on the same side of the transversal are supplementary, then the lines are parallel.