

## **LESSON 3-2**

***Postulate 3-1 (Corresponding Angles):*** If two parallel lines are cut by a transversal, then each pair of corresponding angles is congruent.

***Theorem 3-1 (Alternate Interior Angles):*** If two parallel lines are cut by a transversal, then each pair of alternate interior angles is congruent.

***Theorem 3-2 (Consecutive Interior Angles):*** If two parallel lines are cut by a transversal, then each pair of consecutive interior angles is supplementary.

***Theorem 3-3 (Alternate Exterior Angles):*** If two parallel lines are cut by a transversal, then each pair of alternate exterior angles is congruent.

***Theorem 3-4 (Perpendicular Transversal):*** In a plane, if a line is perpendicular to one of two parallel lines, then it is perpendicular to the other.