

## 2.3 Complementary and Supplementary Angles

Objective: Find measures of complementary and supplementary angles.

Two angles are complementary angles if the sum of their measures is 90 degrees.

Each angle is the complement of the other.

Two angles are supplementary angles if the sum of their measures is 180 degrees.

Each angle is the supplement of the other.

Example 1: Checkpoint at the bottom of page 67

Two angles are adjacent angles if they share a common vertex and side, but have no common interior points.

Example 2: Example 2 towards the top of pg. 68

Example 3: Checkpoint at the bottom of pg. 68

A theorem is a true statement that follows from other true statements.

**Congruent Complements Theorem:** If two angles are complementary to the same angle, then they are congruent.

**Congruent Supplements Theorem:** If two angles are supplementary to the same angle, then they are congruent.

Example 4: Checkpoint at the bottom of page 69.