**Honors Proof Practice with Lines, Angles, and Triangles**

**5.** If two angles are both congruent and supplementary, then each is a right angle. (Congruent and Supplementary Theorem)

**8.** If two lines are cut by a transversal forming congruent alternate interior angles, then the lines are parallel. (Converse of the Alternate Interior Angles Theorem)

**11.** If two parallel lines are cut by a transversal, then the interior angles on the same side of the transversal are supplementary. (Interior Supplements Theorem)

**15.** Prove that the acute angles in a right triangle are complementary.