**“I Can” Statements Grade 8**

**Unit 2: Geometry**

**I can use informal arguments to establish facts about the angle sum and exterior angle of triangles, and about the angles created when parallel lines are cut by a transversal. (8.G.5)**

* I can prove that the sum of all three angles of any triangle equals 180 degrees
* I can prove that the sum of the exterior angle and the corresponding interior angle of a triangle equals 180 degrees
* I can prove why corresponding, vertical, alternate interior, and alternate exterior angles are congruent when 2 parallel lines are cut by a transversal
* I can prove why adjacent angles are supplementary when two parallel lines are cut by a transversal

**I can show why similar shapes must have congruent corresponding angles, but the corresponding sides are proportional. (8.G.5)**