**6.1 Progress Check**

**Geometry**

**Show all calculations. You may NOT use your book, notes, or receive help from anyone.**

\_\_\_\_\_\_\_\_\_\_ 1. Find the sum of the measures of the interior angles of a 19-gon.

\_\_\_\_\_\_\_\_\_\_ 2. Find the measure of an interior angle of a hexagon.

\_\_\_\_\_\_\_\_\_\_ 3. A company is building a regular octagonal gazebo. Find the measure of each interior angle of the octagon.

\_\_\_\_\_\_\_\_\_\_ 4. Find the sum of the measures of the exterior angles of a pentagon.

\_\_\_\_\_\_\_\_\_\_ 5. Find the sum of the measures of the exterior angles of a 70-gon.

\_\_\_\_\_\_\_\_\_\_ 6. Find the measure of one exterior angle of a 15-gon.

\_\_\_\_\_\_\_\_\_\_ 7. The measure of an interior angle is 140o, determine the number of sides of the polygon.

\_\_\_\_\_\_\_\_\_\_ 8. The measure of an exterior angle is 120o, determine the number of sides of the polygon.

\_\_\_\_\_\_\_\_\_\_ 9. Find the measures of an interior angle and an exterior angle of an 18-gon.

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