**H. Geometry - Bellwork #4 Date: \_\_\_\_\_\_\_\_\_\_**

1. Each of the shapes below are regular polygons. Find the measure of each angle.

A close up of a device

Description automatically generated

a = c = e = g =

b = d = f = h =

2. How many sides does a quadrilateral have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the **sum** of the **interior** measures of a quadrilateral.

3. How many sides does a dodecagon have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the sum of the interior measures of a dodecagon.

4. How many sides does a heptagon have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the sum of the interior measures of a heptagon.

5. How many sides does a triangle have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the measure of **one** **interior** angle in a regular triangle.

6. How many sides does a pentagon have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the measure of one interior angle in a regular pentagon.

**Turn to the back for more ☺**

7. If the **sum of the interior** angles in a polygon is 2340, find the **number of sides** the polygon has.

8. If **one of the interior** angles in a regular polygon is 156, find the **number of sides** the polygon has.