Name Date

Enrichment and Extension

7.4

Sum of Interior Angles

A regular polygon is a shape in which all sides are the same length and all angles have equal measure. For example, a regular quadrilateral is most often called a square.

Because all the angles in a regular polygon have equal measure, a formula can be used to calculate the measure of each angle:

Measure of one angle in a regular polygon  where *n* is the number
of sides in the polygon.

Identify which polygon the real-life object resembles. Then determine the measure of each angle using the formula.

 1.  2. 

 3.  4. 

 5.  6. 