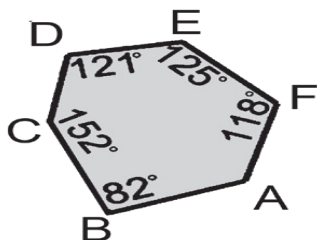


Name: _____
Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Interior Angles of a Convex Polygon

Do the following activity, use the space provided for your solution:

1. Find the measure of $\angle A$ given the diagram below:



2. Four angles of a hexagon measure 130° , 140° , 150° , and 140° . Find the measures of the other two angles if they are in the ratio 2:3.

3. The measure of an interior angle of a regular polygon is 156° . How many sides does the polygon have?

4. An architect is designing a gazebo whose base is a regular octagon. At what angle should he cut the lumber to frame the base?