Answer the following:

1) In a triangle, one angle measures 116° while another measures 23°. What is the measure of the remaining angle?

2) What is the sum of the measures of the interior angles of a 12-sided polygon?

3) In a quadrilateral, each of two angles has a measure of 64°. Another angle has a measure of 142°. What is the measure of the remaining angle?

4) In a pentagon, all but one of the angles have a measure of 97°. What is the measure of the remaining angle?

5) In a quadrilateral, the smallest angle has a measure of 34°. A second angle measures 87°, while a third angle measures 109°. What is the measure of the remaining angle?

A. 71°
B. 130°
C. 230°
D. 360°
Angle Measures in Polygons – Worksheet #3

6) What is the measure of each angle in a regular 14-gon?

7) Find the value of “x”.

8) Find the missing angle measure in the quadrilateral.

9) Find the measure of the smallest angle in the quadrilateral.

10) Find the measure of the largest angle in the triangle.