Angle Measures in Polygons – Worksheet #1

Answer the following:

1) In a pentagon, each of two angles has a measure of 68°. Each of two other angles measures 142°. What is the measure of the remaining angle?

2) In a quadrilateral, one angle measures 175°. A second angle measures 29°, while a third angle measures 54°. What is the measure of the remaining angle?

3) In a right triangle, there is a 57° angle. What is the measure of the third angle?

4) In a hexagon, each of three angles has a measure of 83°. Two of the other angles each have a measure of 150°. What is the measure of the remaining angle?

5) The sum of the measures of the interior angles of a polygon is 1080°. What kind of polygon is it?
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6) Find the missing angle measure in the triangle.

7) Find the missing angle measure in the pentagon.

8) Find the missing angle measure in the quadrilateral.

9) Find the missing angle measure in the triangle.

10) What is the sum of the interior angle measures?

11) What is the sum of the interior angle measures?