

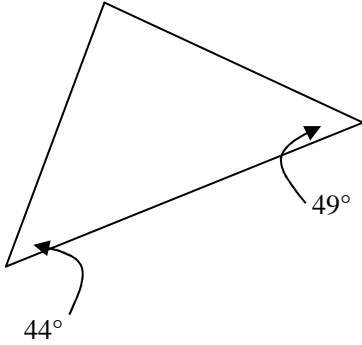
Angle Measures in Polygons – Worksheet #1

Answer the following:

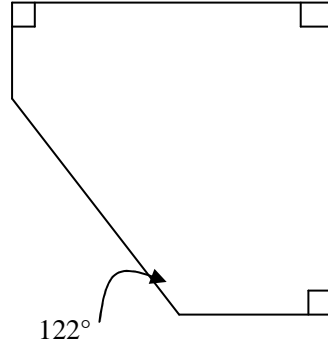
- 1) In a pentagon, each of two angles has a measure of 68° . Each of two other angles measures 142° . What is the measure of the remaining angle?
- 2) In a quadrilateral, one angle measures 175° . A second angle measures 29° , while a third angle measures 54° . What is the measure of the remaining angle?
- 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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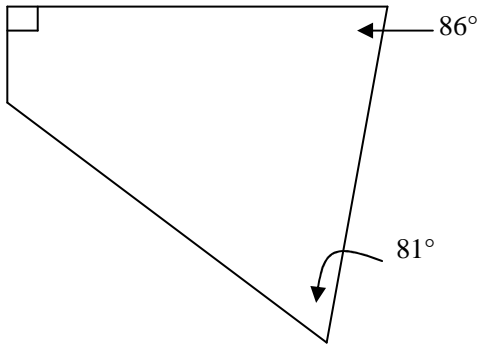
- 6) Find the missing angle measure in the triangle.



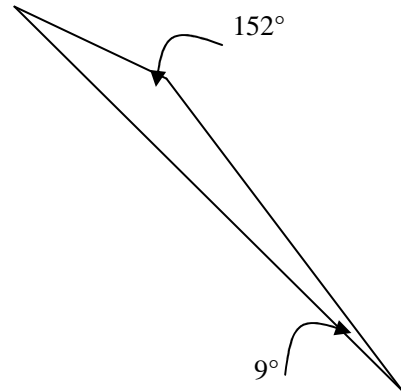
- 7) Find the missing angle measure in the pentagon.



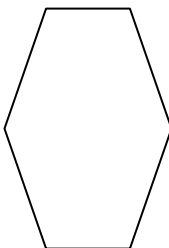
- 8) Find the missing angle measure in the quadrilateral.



- 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?

