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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_**Problem Set** for lesson 49 Geometry |



1. What is the sum of the interior angles of a decagon?
2. What is the measure of *each* interior angle of a regular 12-sided polygon?
3. If the sum of the degree measures of the interior angles of a polygon is 1,980o, how many sides does the polygon have?
4. If *each* interior angle of a regular polygon has 135o, how many sides does the polygon have?
5. In , ,  and .

List the sides in order from shortest to longest.

1. Given: 

 

Prove: 