

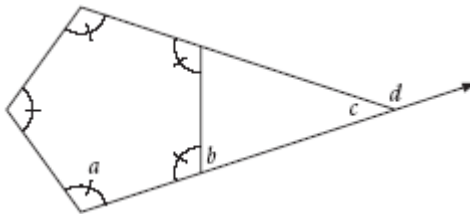
Name _____ Period _____ Date _____

Complete each statement.

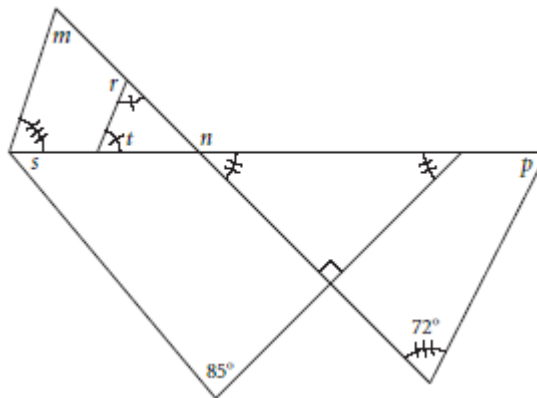
- The sum of the measures of the n interior angles of an n -gon is _____.
- The number of triangles formed in a decagon when all the diagonals from one vertex are drawn is _____.
- The sum of the measures of the exterior angles of a 25-gon is _____.
- The measure of one angle in a regular octagon is _____.
- If the measure of one exterior angle of a regular polygon is 24° , then the polygon has ____ sides.

Find each lettered angle measure.

- 6.
- $a =$ _____
 $b =$ _____
 $c =$ _____
 $d =$ _____



- 7.
- $m =$ _____
 $n =$ _____
 $p =$ _____
 $r =$ _____
 $s =$ _____
 $t =$ _____



8. For the following two figures, draw all the lines of reflection that will carry it onto itself. Then, describe the number of rotations and the degree of rotation that will carry it onto itself.

