Chapter 5 • Quiz 1

Complete each statement.

1. The sum of the measures of the $n$ interior angles of an $n$-gon is _____________.

2. The number of triangles formed in a decagon when all the diagonals from one vertex are drawn is _____________.

3. The sum of the measures of the exterior angles of a 25-gon is _____________.

4. The measure of one angle in a regular octagon is _____________.

5. 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. $m =$

   $n =$

   $p =$

   $r =$

   $s =$

   $t =$
Chapter 5 • Quiz 2

Name ___________________________ Period ________ Date ____________

The figures in Problems 1 and 2 are kites. Find \( x \) and \( y \) for each figure.

1. \( x = \) ______
   \( y = \) ______

2. \( x = \) ______
   \( y = \) ______

The figures in Problems 3 and 4 are isosceles trapezoids. Find the lettered measures in each figure.

3. \( x = \) ______
   \( y = \) ______

4. Perimeter = 105 cm
   \( x = \) ______

Find the lettered measures in each figure.

5. \( x = \) ______
   \( y = \) ______
   \( z = \) ______

6. The figure is a trapezoid.
   \( q = \) ______