

Independent Practice: EXTERIOR ANGLES OF POLYGONS

NAME: _____

DATE: _____

PERIOD: _____

For #1 – 6, determine the angles measures of the regular polygons.

		Interior Angles		Exterior Angles	
		<i>Sum of the interior angles</i>	<i>Measure of each interior angle</i>	<i>Sum of the exterior angles</i>	<i>Measure of each exterior angle</i>
1.	triangle				
2.	quadrilateral				
3.	pentagon				
4.	hexagon				
5.	heptagon				
6.	octagon				

For # 7 – 8, find the number of sides for each of the following.

7. $n =$ _____

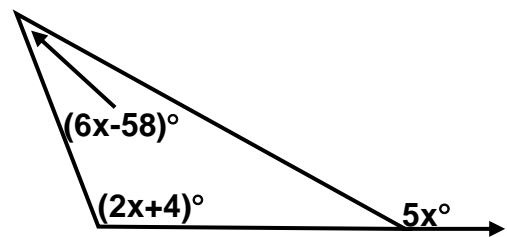
The measure of one exterior angle of a regular polygon is 15° .
Find the number of sides of the polygon.

8. $n =$ _____

The measure of one exterior angle of a regular polygon is 24° .
Find the number of sides of the polygon.

REVIEW: For # 9 – 10, find the value of x in each of the following.

9. $x =$ _____



10. $x =$ _____

