Name:		Class:			Date:
Diversities The same of		Sum of Interior Angles of Polygons Worksheet			
Directions: The sum of interior angles of a triangle is 180°.  • Fix one vertex and make triangles by connecting to vertices of					f the polygon
<ul> <li>Generate a rule to find the sum of interior angles of any polygon</li> </ul>					
	Name of polygon	Figure	Number of sides	Number of triangles	Sum of interior angles
-	A Triangle		3		180
	A Quadrilateral				
	A Pentagon				
	A Hexagon				
	A Heptagon				
	A Octagon				
	A Nonagon				
	A Decagon				
	n-sided	xxxxxx			
Exe		sum of interior angles bove, find the sum of i			polygon
2	2. A pentagon				

3. An octagon

4. A polygon with 11 sides5. A polygon with 15 sides