

Name: _____

Discover a relationship

Objective: Discover the relationship between the number of sides in a polygon and its angle sum using geometers sketch pad.

Directions: Draw each polygon (either on Geometers Sketch Pad or on paper). Complete the chart below as you work through each shape and determine the sum of the interior angles in each polygon.

Name of Polygon	Number of sides (n)	Number of triangles in the polygon	Number of degrees in one triangle	Sum of the interior angles
Triangle				
Quadrilateral				
Pentagon				
Hexagon				
Heptagon				
Octagon				

