5.1 - Polygon Sum Conjecture

5.1 Investigation on Sketchpad

Quadrilateral Sum Conjecture: the sum of the measures of the four interior angles of any quadrilateral is 360.

Polygon Sum Conjecture: the sum of the measures of the n interior angles of an n-gon is 180(n-2).

On **Explore More** you may skip #2.

What is the sum of all the angles in a nonagon?

Nonagon = 9 sides

180(9-2)

180(7)

Answer = 1260°