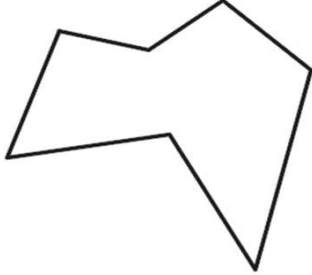


Name \_\_\_\_\_

Date \_\_\_\_\_

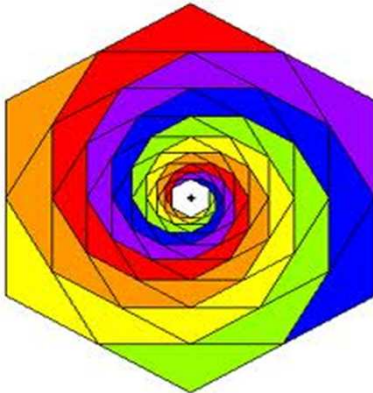
## Angles of a Polygon

1. What is the Sum of the Angles of this polygon?



900

2. What is the Sum of the Angles of the hexagon minus the sum of the angles of the yellow triangles that are a part of the hexagon? (There are



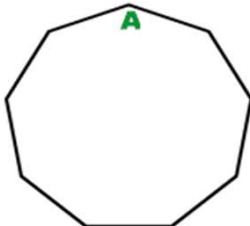
hexagon	yellow triangles	difference
$4 * 180 = 720$	$16 * 180 = 2880$	-2,160

3. This is the flag of South Africa. What is the sum of the angles of the green polygon on the flag?



$$S = (11 - 2) * 180 = 1620$$

4. This is a regular polygon. How many degrees are in angle A?



140

5. Is this polygon convex or concave?



Concave

