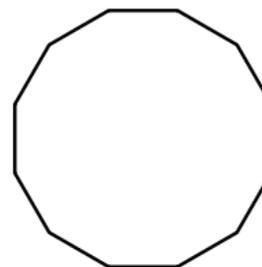
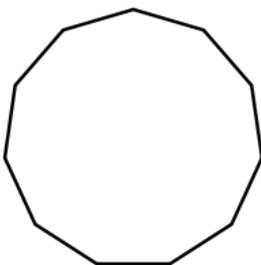
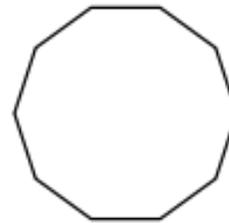
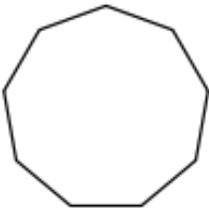
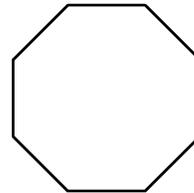
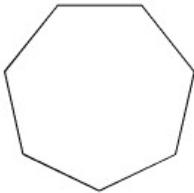
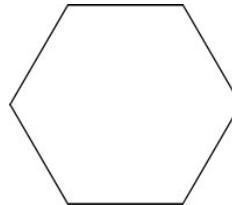
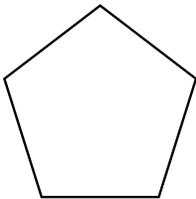
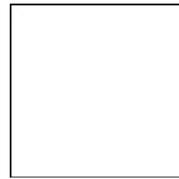
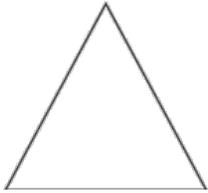


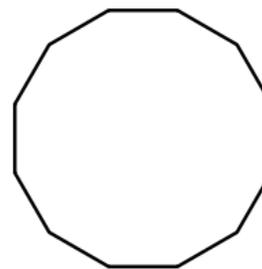
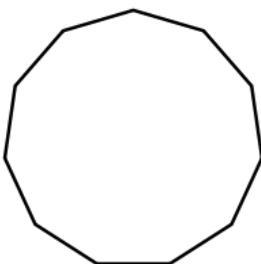
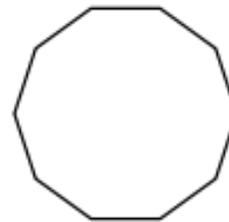
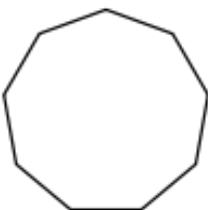
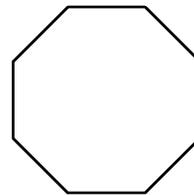
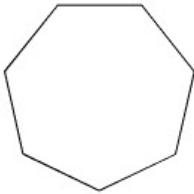
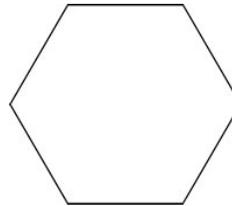
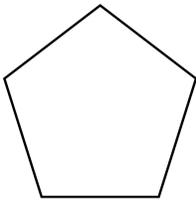
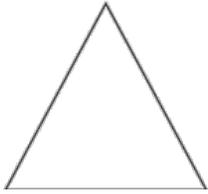
Polygon Worksheet

For each shape below: 1) Determine the number of *triangles* (*triangles should not overlap*)
2) Find the *sum of the interior angles*



Polygon Worksheet

For each shape below: 1) Determine the number of *diagonals (should create star design)*
2) Determine each shape's *proper name*



7.3 GEO Notes

Date: _____

I. Polygon worksheet

1. To the right of each figure, write its proper name.
2. Pick a vertex and then draw the diagonals to all non-consecutive vertices.

II. Chart

1. Fill in the chart below:

Name of polygon	# of sides	# of diagonals	# of triangles	Sum of angles
Triangle				
Quadrilateral				
Pentagon				
Hexagon				
Heptagon				
Octagon				
Nonagon				
Decagon				
Hendagon				
Dodecagon				
N-gon				

2. What is the name of a polygon if the sum of the measures of its angles is 1080?

3. If a polygon has 35 diagonals, what is the name of the polygon?

4. How many sides does a polygon have if the sum of the measures of its angles is 1440?

5. Do #8 from HW.