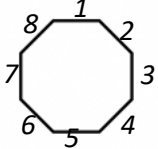

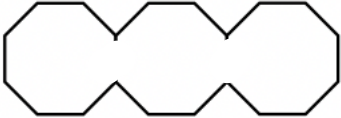

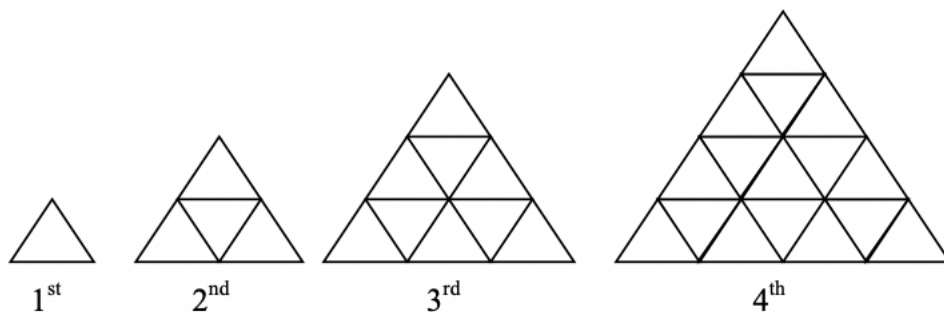


NAME _____

1. Investigating Octagons

# of octagons		Perimeter of total figure
1		8
2		14
3		_____
4		_____
.....		
	<i>Can you figure these out without drawing octagons?</i>	
5		_____
6		_____
7		_____
Challenge:		
10		_____
20		_____
30		_____

2. Investigating triangles



Area of each figure <i>Given each small $\Delta = 1 \text{ unit}^2$)</i>	1	4		
Perimeter <i>Given each side of small $\Delta = 1 \text{ unit}$)</i>	3	6		

What would the area and perimeter be for the

5th figure? Area _____ Perimeter: _____

Without drawing them, can you find the area and perimeter of the:

10th figure? Area _____ Perimeter: _____

20th figure? Area _____ Perimeter: _____

100th figure? Area _____ Perimeter: _____