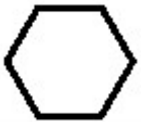
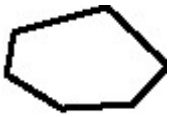
Polygons

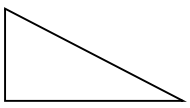
A polygon is a closed figure formed by three or more line segments. Polygons are named by the number of their sides and angles.

In a regular polygon, all sides have equal lengths and all the angles have equal measures.

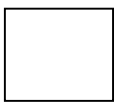
	Sides and angles	Regular Polygon	Polygon that is not regular
Triangle	3		
Quadrilateral	4		
Pentagon	5		
Hexagon	6		
Octagon	8		

Examples:

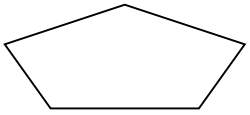
A- Name each polygon and tell whether it is regular or not regular. Find the number of sides.

1) 

triangle, not regular
3 sides

2) 

quadrilateral, regular
4 sides

3) 

pentagon, not regular
5 sides