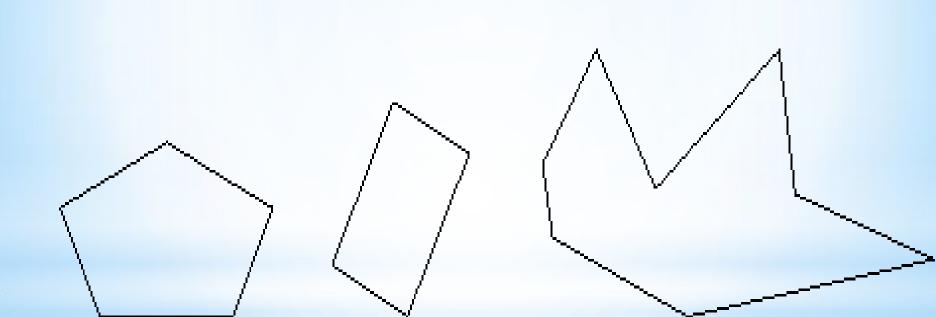
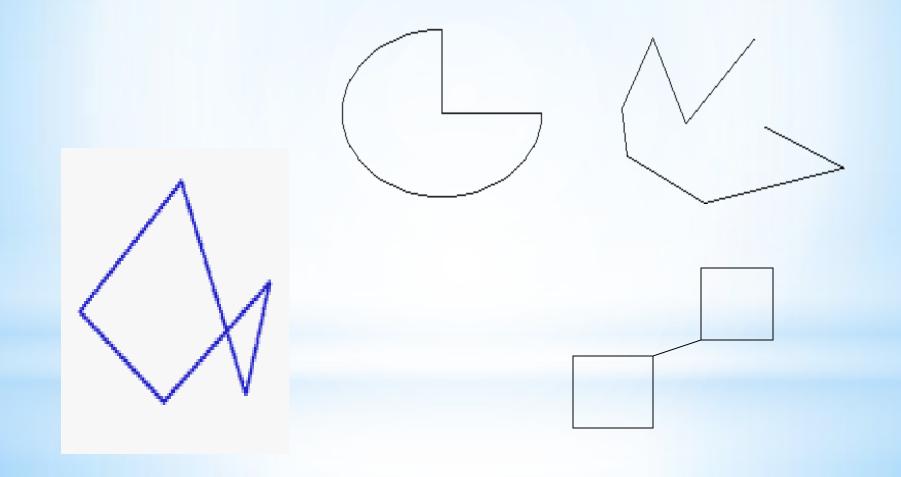
Polygons

Are these figures polygons? Why?



Are these figures polygons? Why?



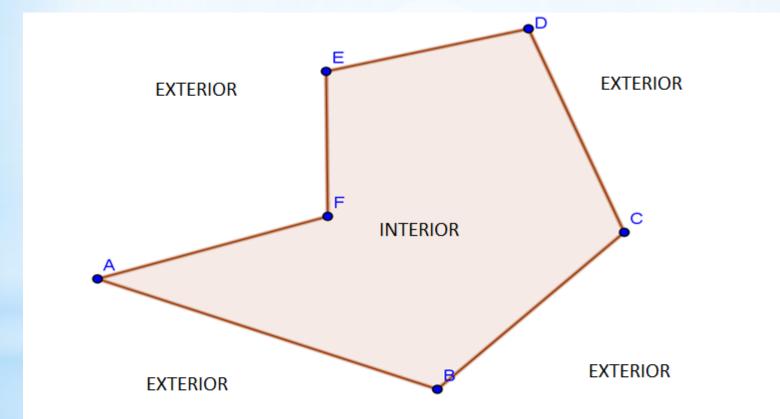
two-dimensional object

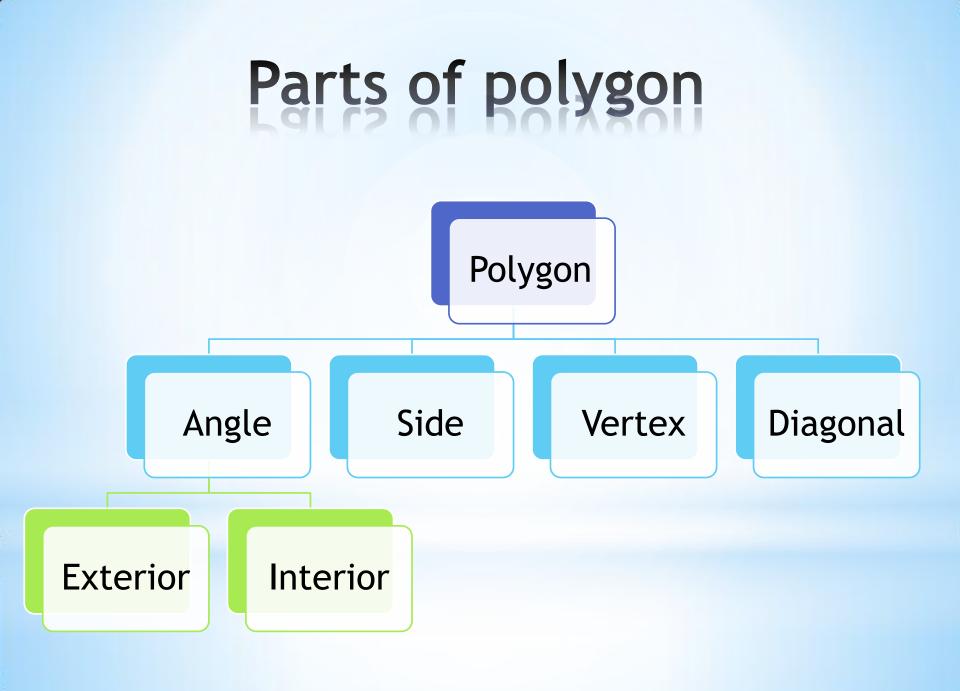
Polygon

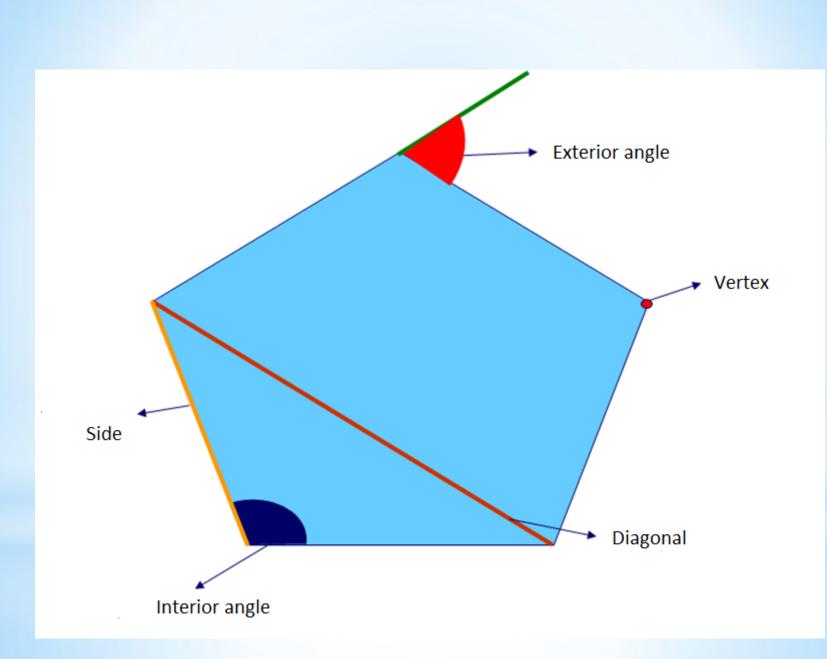
finite chain of closed, straight line

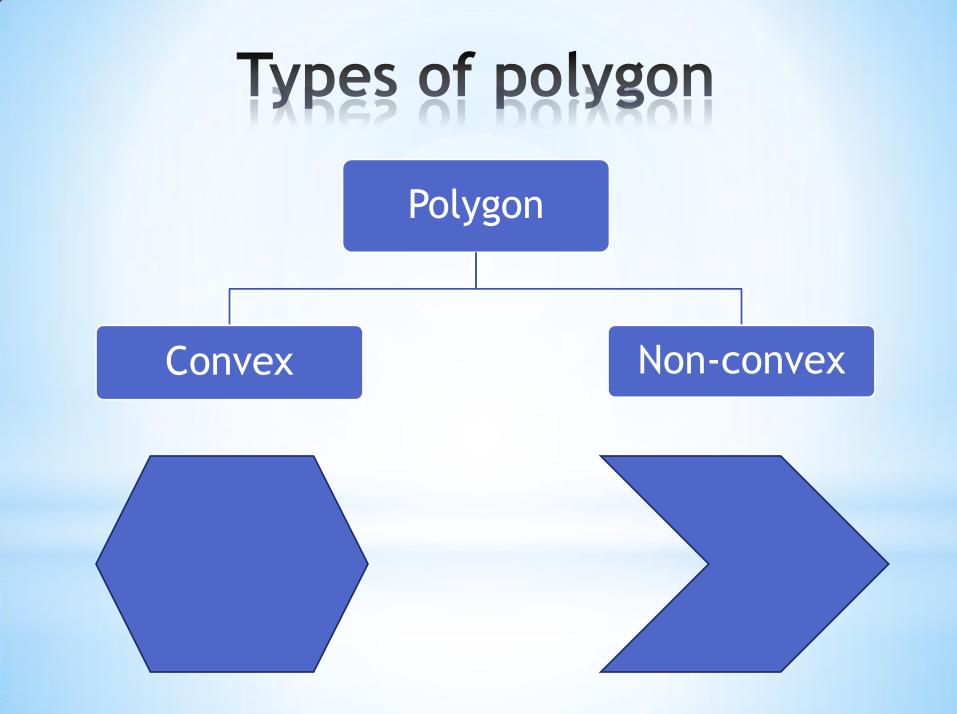
no selfintersecting

Interior and exterior of a polygon.

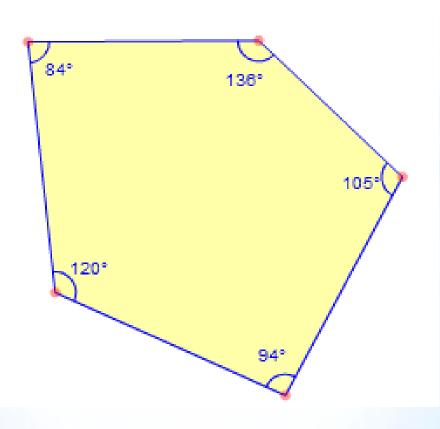


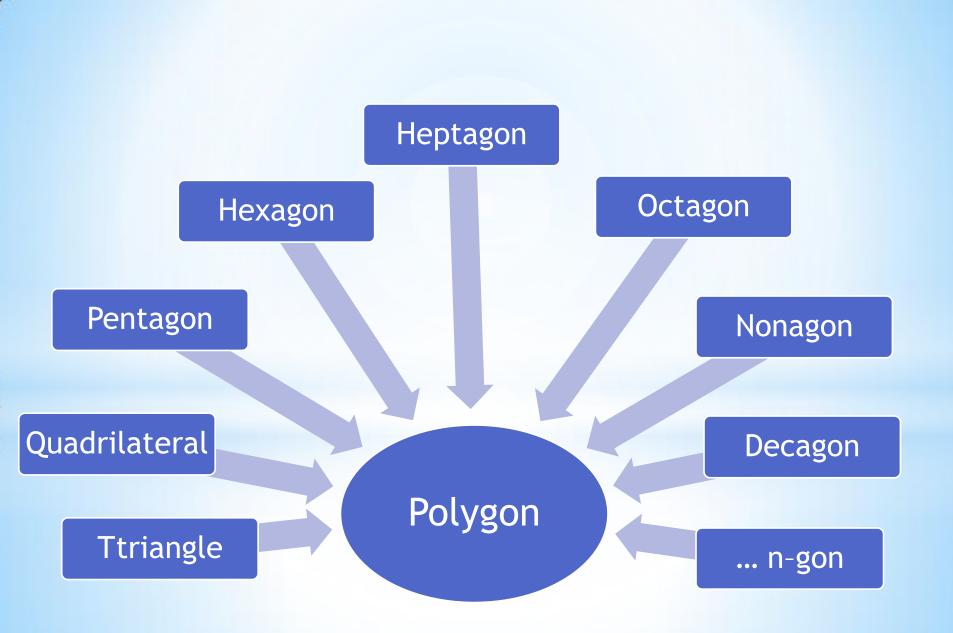


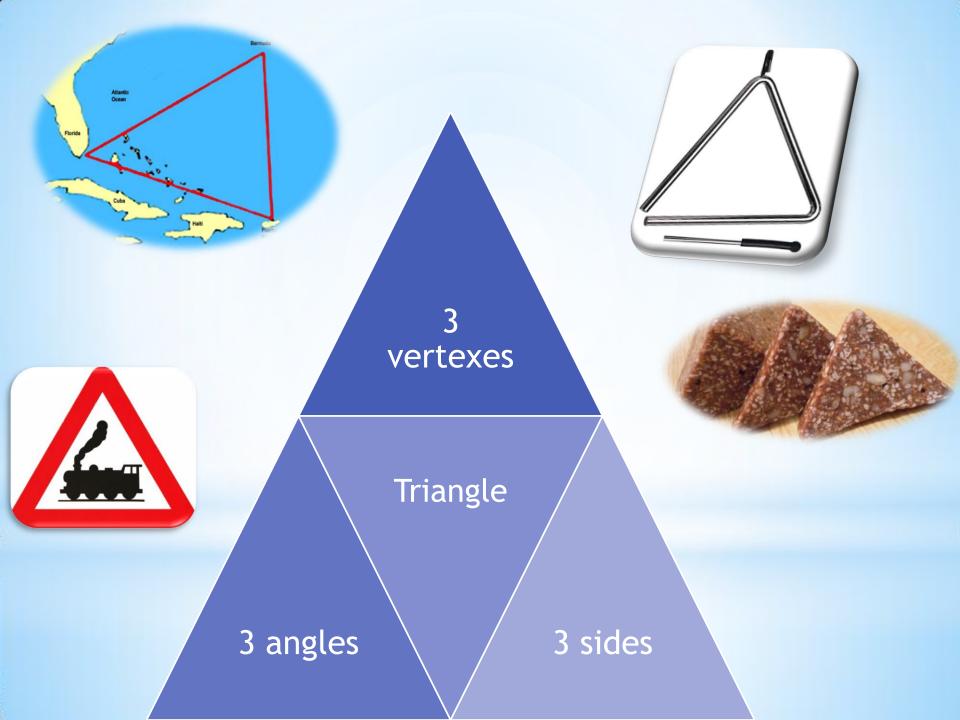


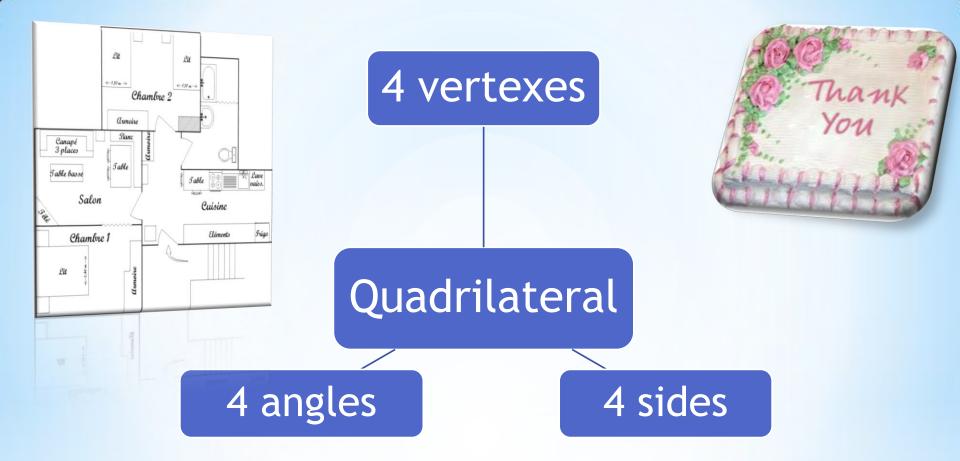


A convex polygon is defined as a polygon with all its interior angles less than 180°.













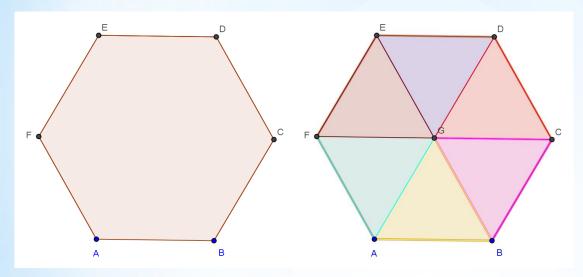


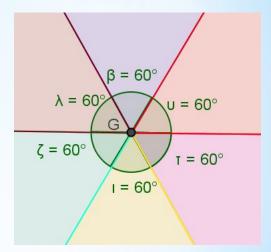


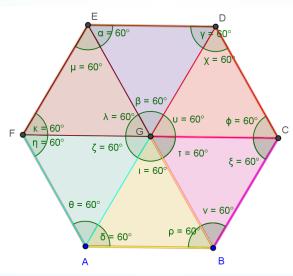




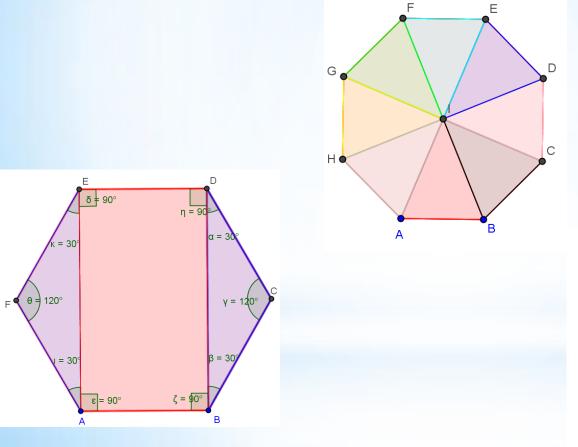
Dividing polygon(example: hexagon)

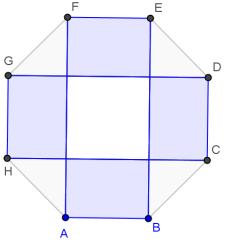


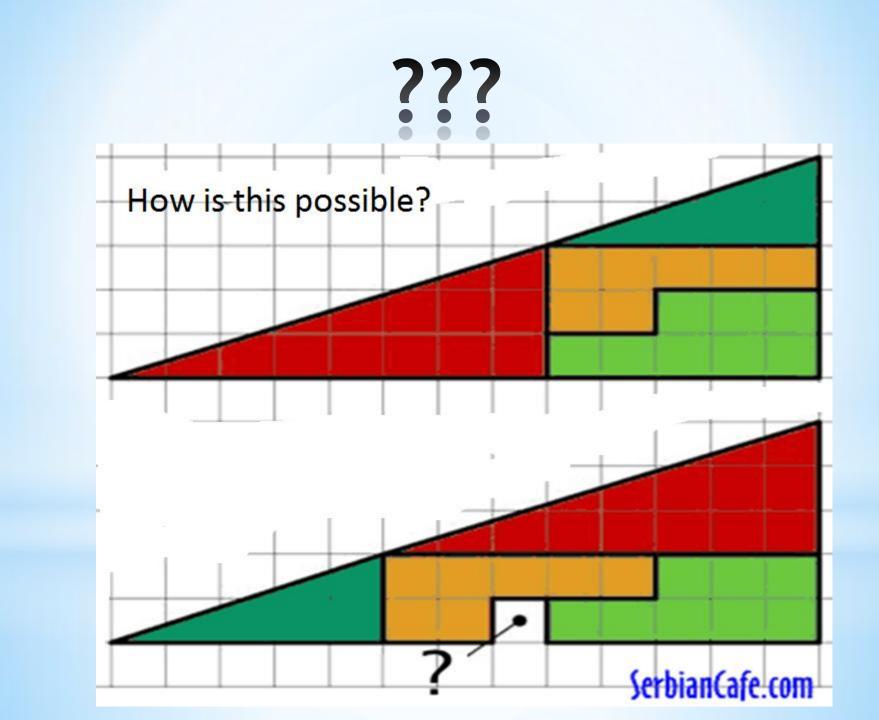




Other way to divide figures:

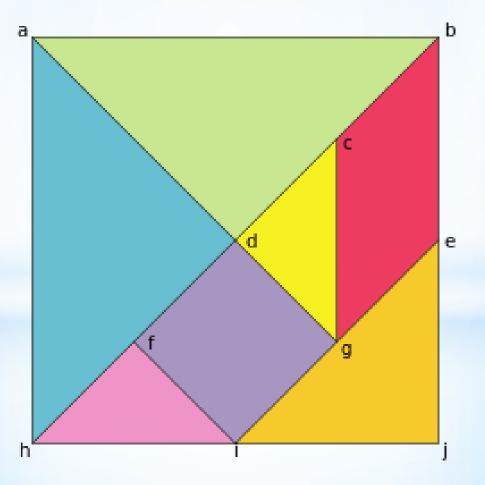








The tangrams a dissection puzzle consisting of seven flat shapes, called *tans*, which are put together to form shapes.



What can you make with tans:





Mosaic is the art of creating images with an assemblage of small pieces of colored glass, stone, or other materials.



Some other mosaics:





