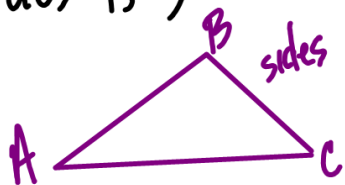


3.1 Polygons

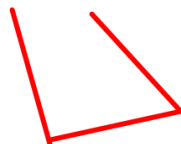
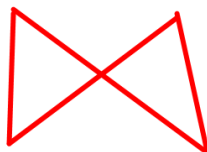
Plane figure 2 dimensional
formed by segments to enclose
a region
minimum number
of sides is 3



Vertices
points A, B, C

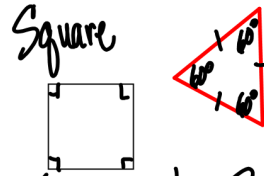
Vertex

Not
a
Polygon



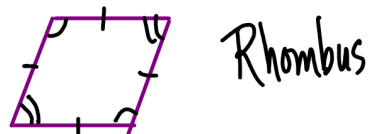
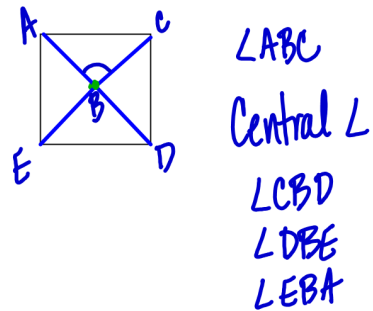
Sides	Name
3	Triangle
4	Quadrilaterals
5	Pentagon
6	Hexagon
7	Heptagon
8	Octagon
9	Nonagon
10	Decagon
11	11-gon
12	Dodecagon
13	13-gon
n	n-gon

Equilateral
All sides same length



Equiangular Polygon
All \angle s same measure

Regular Polygon
All sides same length
All \angle s same measure



Triangles

Equilateral

3 sides \cong

Isosceles

At least 2 sides \cong

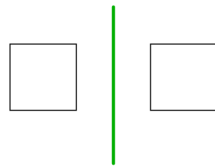
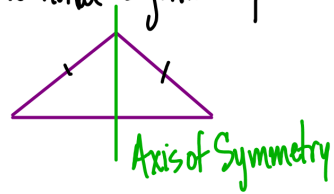
Scalene

No sides \cong

Oblique

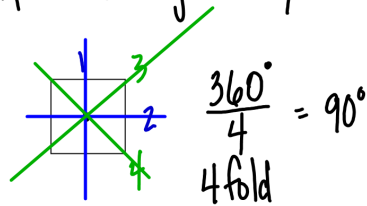
Symmetry

Reflectional Symmetry



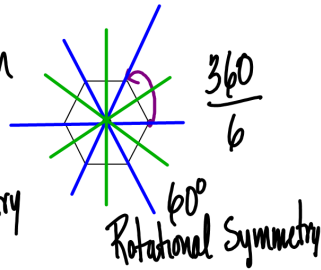
A B C D E F Z
B

Rotational Symmetry



Hexagon

6 fold Symmetry



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20.