POLYGONS

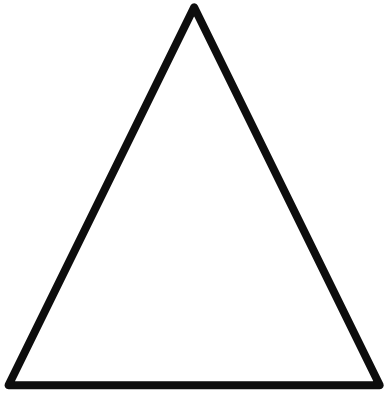
A plane shape or figure bounded by three or more straight lines is called a polygon (from the Greek work “poly” meaning “many”).

A triangle is a polygon of three sides, a quadrilateral is a polygon of four sides, a pentagon is a polygon of five sides, a hexagon is a polygon of six sides, a heptagon is a polygon of seven sides, an octagon is a polygon of eight sides, a nonagon is a polygon of nine sides, a decagon is a polygon of ten sides, etc. A polygon has the same number of angles as the sides.

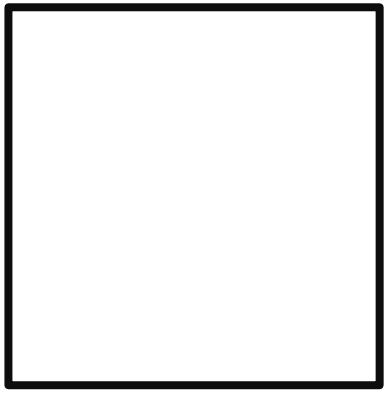
Regular and Irregular Polygon

Any polygon whose sides are all equal to each other is called a regular polygon, otherwise it is an irregular polygon, e.g. an equilateral triangle is a

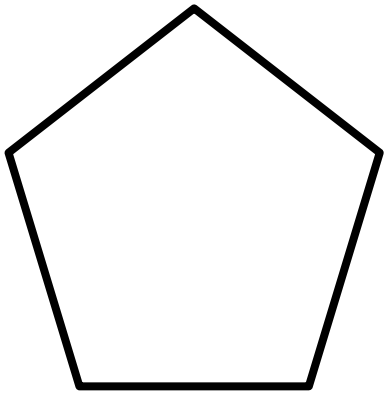
regular polygon of three (3) sides. A square is a regular polygon of four (4) sides, etc. A regular polygon has all its sides equal and also the interior and exterior angles equal.



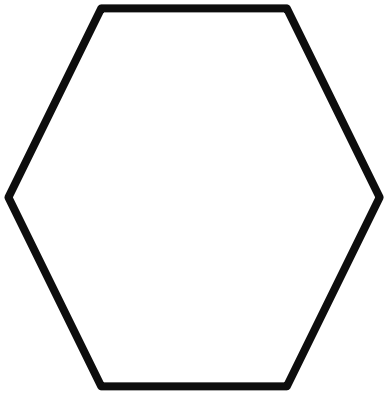
Triangle



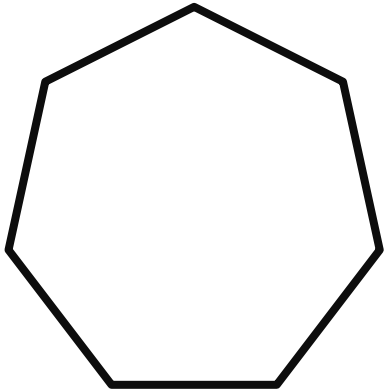
Quadrilateral



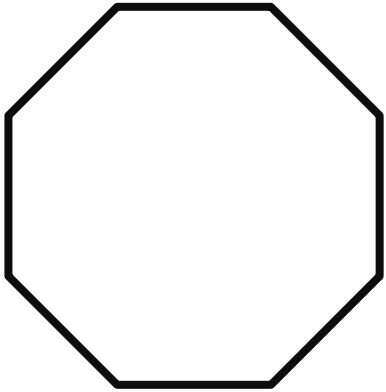
Pentagon



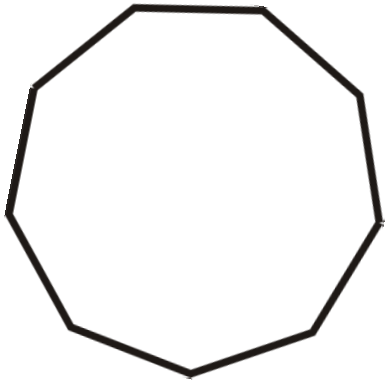
Hexagon



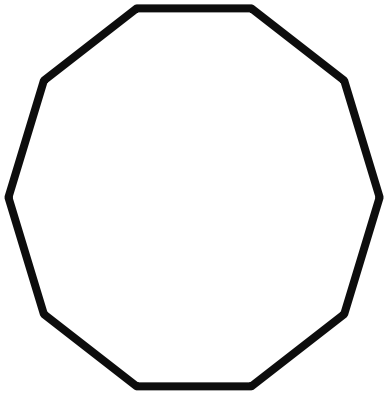
Heptagon



Octagon



Nonagon



Decagon