

# Class GD-121-Basic Drafting

## ASSIGNMENT: CONSTRUCTION OF POLYGONS (Triangle and Hexagon)

### Introduction of the Lecture:

Regular polygons are closed plane figures consisting of edges of equal length and vertices of equal size. ... Three edges is the smallest number of edges to construct a polygon because two edges forms an angle and one edge is a segment. Polygons are closed figures. The regular polygon of four edges is the square.

In this assignment we will investigate how to construct regular polygons (equilateral triangle, and Hexagon) using compass and straightedge versus a dynamic geometry program

Assignment Video Link for demonstration.

- 1) <https://www.youtube.com/watch?v=avJ81eKT91U> ( Triangle)
- 2) [https://www.youtube.com/watch?v=Qbby\\_by8YAg](https://www.youtube.com/watch?v=Qbby_by8YAg) ( Hexagon)
- 3) <https://www.youtube.com/watch?v=Hk0LhtXiHqU>