STAR POLYGONS

A star -shaped polygon is formed by joining together the non-consecutive vertices in a regular polygon
To construct a star polygon inscribed in a circumference, we need to follow the same steps to draw a regular polygon, it depends on how many points of a star we want to draw.

So we must start finding the star points as they were the polygon vertices.

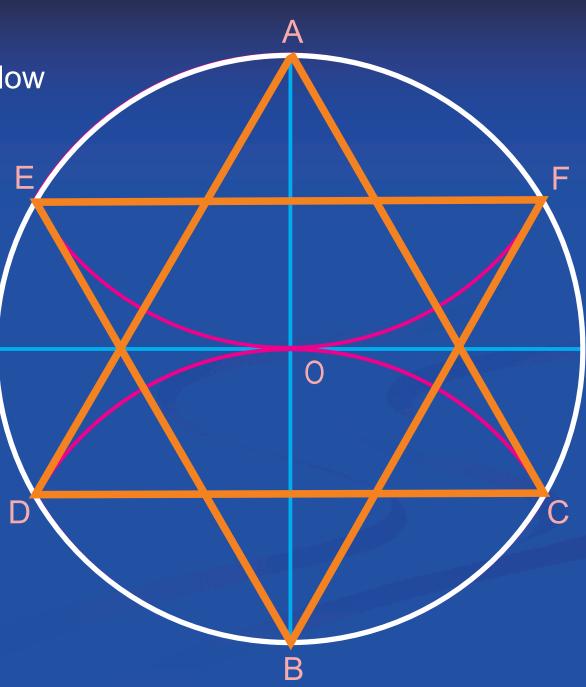
FIVE POINTS STAR POLYGON

- Follow the same steps you follow to draw a pentagon.
- You have now points A, B, C,
- D and E
- Join the non-consecutive vertices as follows: A-D, E-C
 D-B, C-A and B-E



SIX POINTS STAR POLYGON

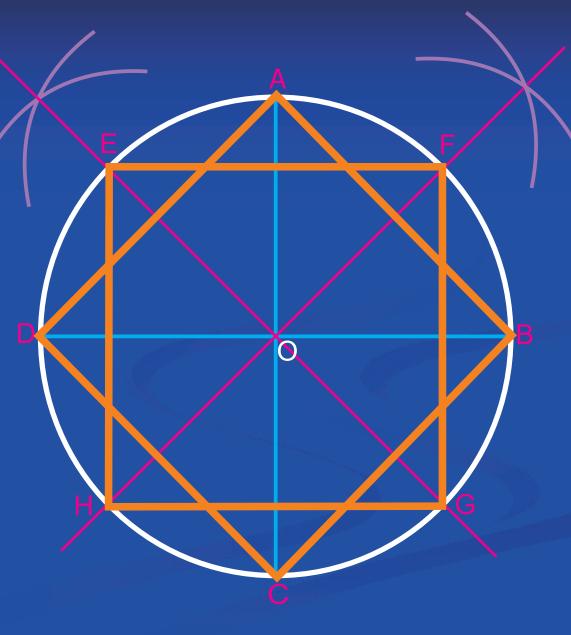
- Follow the same steps you follow to draw an hexagon.
- You have now points A,F,C B,D and E
- Join the non-consecutive vertices as follows: A C,
 C D,D A,E F,F B and B E



EIGHT POINTS STAR POLYGON

After the first steps common to all regular polygons we get four rect angles and points A,B,C,D
Find the angle bisector of each angle.Those rects intersect the circumference at points E, F

G and H. - Join together the nonconsecutive vertices to find an eight points star polygon: A B, B C, C D, D A and E F, F G, G H, H E



LONG EIGHT POINTS STAR POLYGON

- Follow the same steps you follow to draw an eight points star polygon.
- We'll name these points with numbers this time, to make easier the joining
 Join the 1+3 non-consecutive points begining at number 1

