

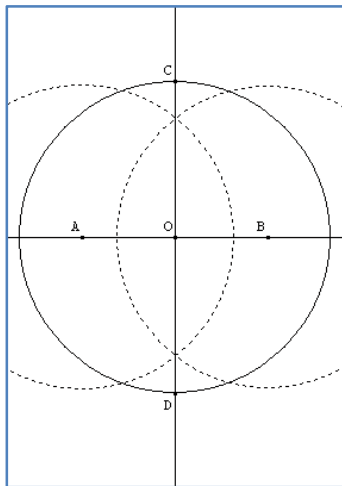
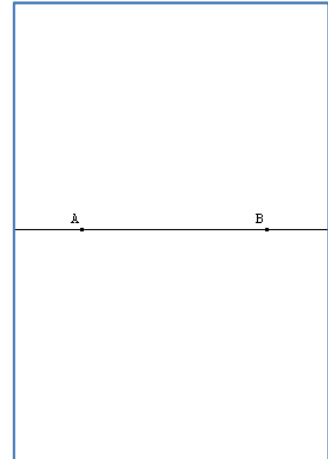
Construction of an eight-pointed star

I. Instructions.

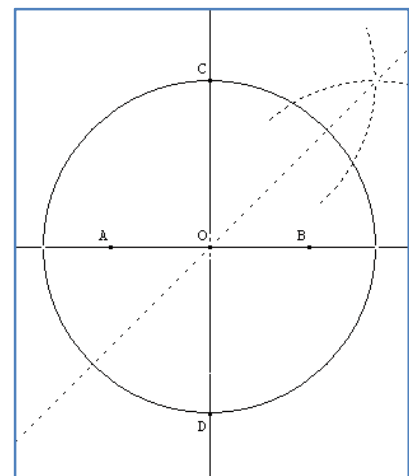
Take a sheet of paper, a pencil , a ruler and a compass.



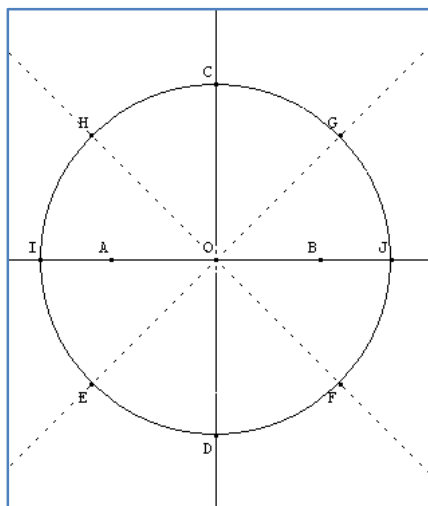
With the ruler, draw a horizontal line across the sheet, approximately in the middle of it.
On this line, draw two points A and B.
Take your compass and draw the perpendicular bisector of [AB].
Name O the midpoint of [AB].



Draw a circle around O: the circle's center is O, and its radius is as big as possible.
Name C and D the two points of intersection between your circle and your perpendicular bisector.



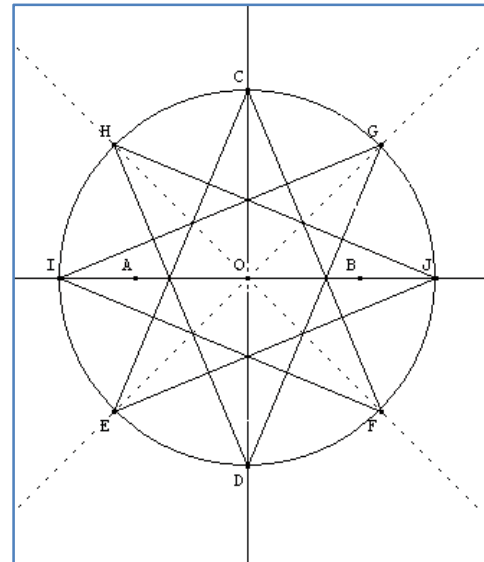
With your compass, draw the bisector of the angle \widehat{BOC} .



Draw the bisector of the angle \widehat{BOD} .
Name E, F, G, H the points of intersection.
Name I and J the two points of intersection between the circle and (AB).

Draw the line segments*: [CE]; [EJ]; [JH]; [HD]; [DG]; [GI];
[IF]; [FC].

You can now colour* your star !!!



II. Vocabulary.

eight - pointed : à huit branches
 star : étoile
 to draw : tracer, dessiner
 line : une droite
 across : en travers
 approximately : approximativement
 middle : milieu
 perpendicular bisector : bissectrice
 midpoint : milieu
 radius : rayon
 between : entre
 bisector : bissectrice
 line segment : segment
 to colour : colorier