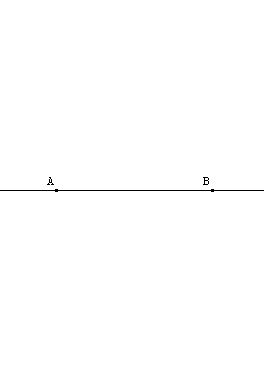
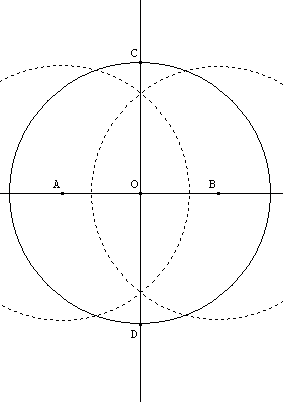
Construction of an eight-pointed\* star\*

Instructions.

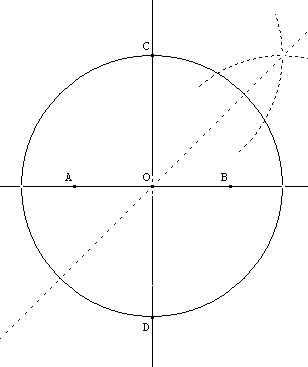
Take a sheet of paper, a pencil , a ruler and a compass.



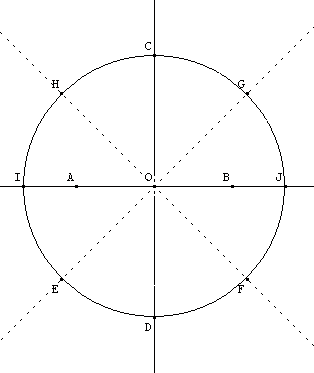
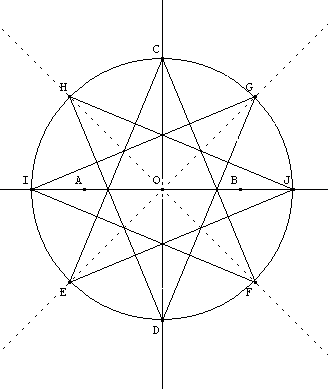
With the ruler, draw\* a horizontal line\* across\* the sheet,   
approximately\* in the middle\* of it.  
On this line, draw two points A and B.

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.

  
  
  
  
Draw the bisector of the angle.  
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 !!!

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