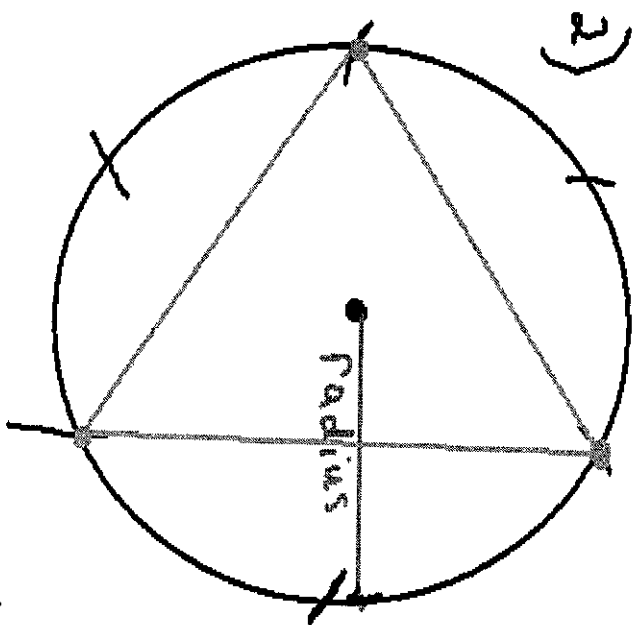
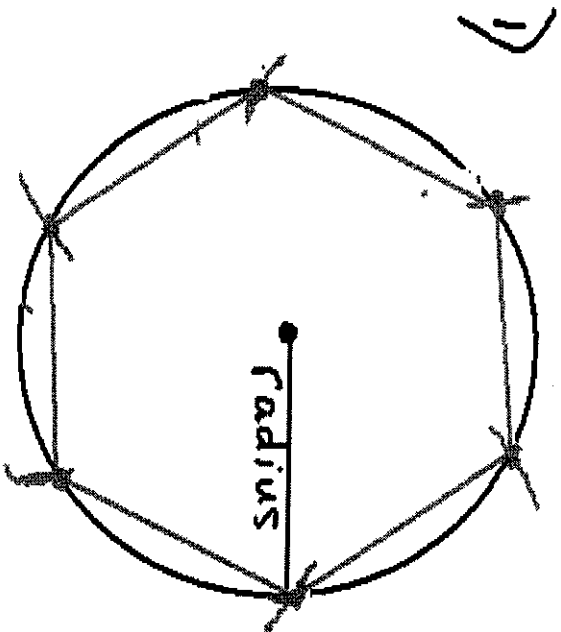


10/16/18 Topic: Constructing a hexagon, equilateral Δ and square in a circle

Hexagon



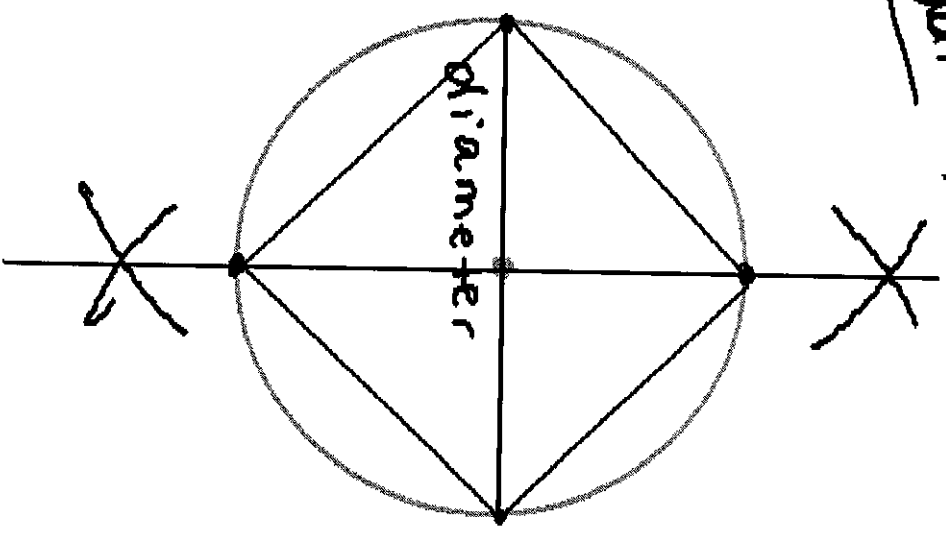
Equilateral Δ

- Steps:
- 1) with straightedge, draw radius
 - 2) Copy ~~the~~ the radius, with your compass
 - 3) move your steel pt to endpt of radius and mark an arc on the circle
 - 4) Repeat around the circle with 6 arcs.
 - 5) Connect all 6 pts to create your hexagon.

This construction is the same as the hexagon, but skip a pt in between when connecting the 3.

Square

3)



Steps: 1) draw a diameter, with straightedge

2) Construct the bisector of the diameter (more than half from each endpt.)

3) Lightly draw the bisector line through the intersecting arcs. Where your bisector intersects the circle, mark those 2 pts.

4) Connect the 4 pts. on the circle

Construct an inscribed

hexagon

equilateral Δ

square