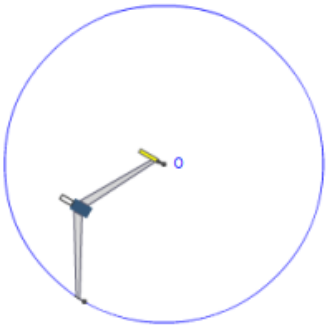
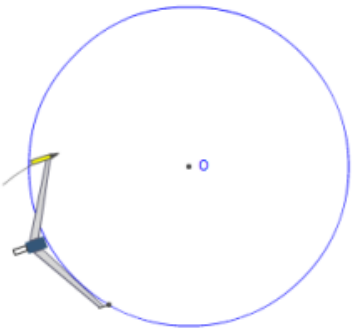
Regular hexagon inscribed in a circle

After doing this	Your work should look like this
We start with the given circle, center O. **Note:** If you are not given the center, you can find it using the method shown in Finding the center of a circle with compass and straightedge.	
1. Mark a point anywhere on the circle. This will be the first vertex of the hexagon.	
2. Set the compasses on this point and set the width of the compasses to the center of the circle. The compasses are now set to theradius of the circle	
3. Make an arc across the circle. This will be the next vertex of the hexagon. (It turns out that the side length of a hexagon is equal to its circumradius - the distance from the center to a vertex).	

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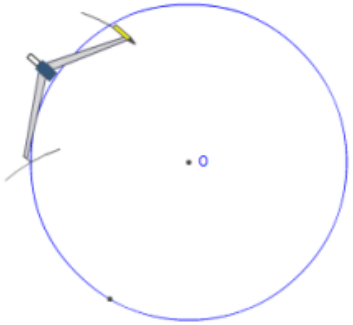
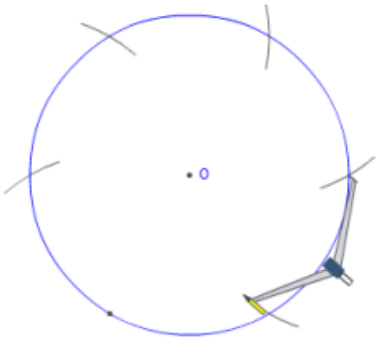
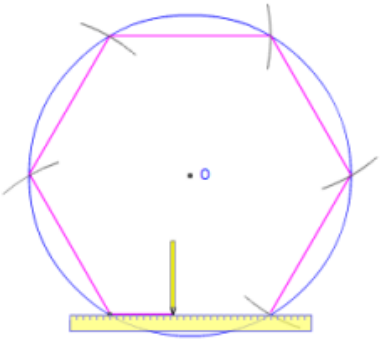
4. Move the compasses on to the next vertex and draw another arc. This is the third vertex of the hexagon.	
5. Continue in this way until you have all six vertices.	
6. Draw a line between each successive pairs of vertices, for a total of six lines.	
6. Done. These lines form a regular hexagon inscribed in the given circle.	