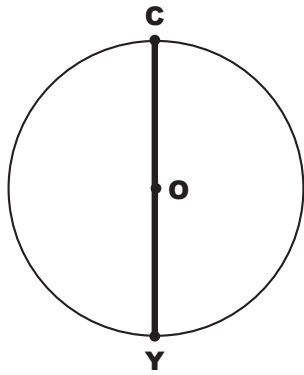


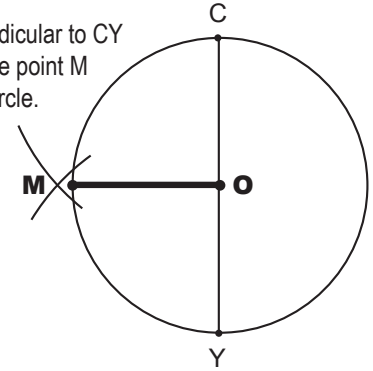
Constructing a Pentagon

1. Use the compass to draw a circle.
(The pentagon will fit inside this circle.)

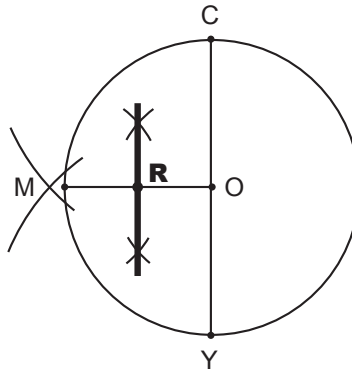


2. Draw a line through the center of the circle and label its endpoints C and Y. Label the center of the circle, O

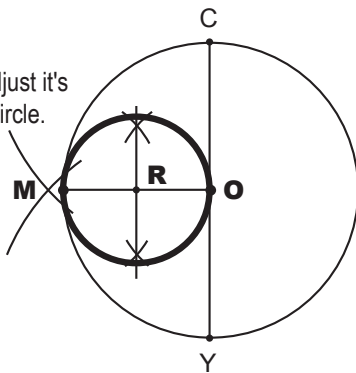
3. Construct a perpendicular to CY at the point O. Mark the point M where it crosses the circle.



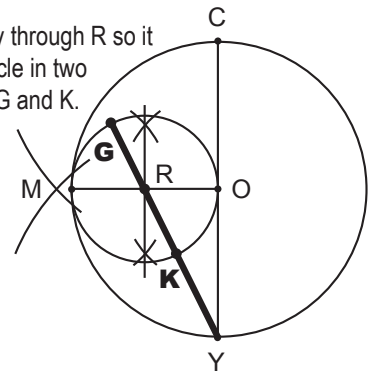
4. Find the midpoint between M and O by constructing a perpendicular bisector. Label it R.



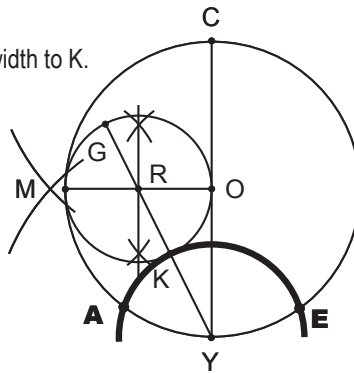
5. Set the compass on R, adjust it's width to M or O and draw a circle.



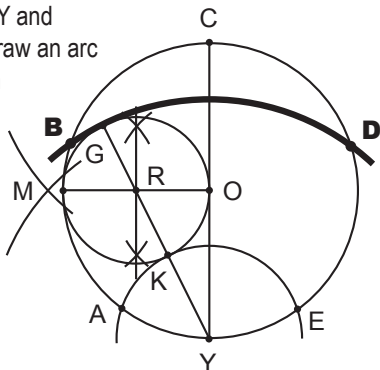
6. Draw a line from y through R so it crosses the small circle in two places. Label them G and K.



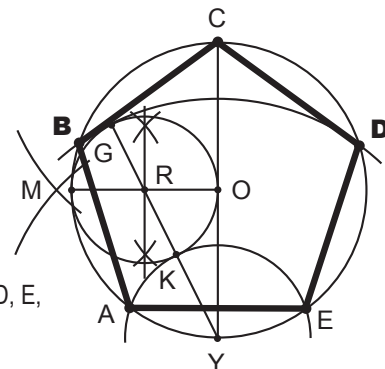
7. Set the compass on Y and adjust it's width to K. Draw an arc that crosses the circle in two places, A and E.



8. Set the compass on Y and adjust it's width to G. Draw an arc that crosses the circle in two places, B and D.



9. Draw a line connecting points A, B, C, D, E, and A to form a pentagon.



10. **Celebrate** because this is complicated stuff and **YOU DID IT!!!**