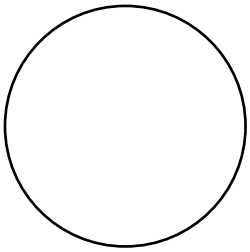
CO-A1d

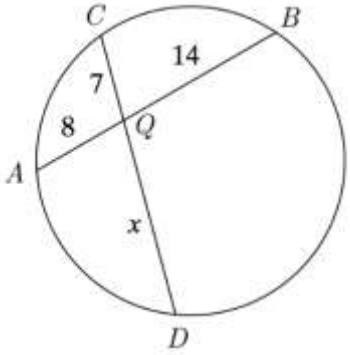
Practice Assessment Q4 #2

1. In the circle here, draw and label a tangent line, a secant line, and a radius.

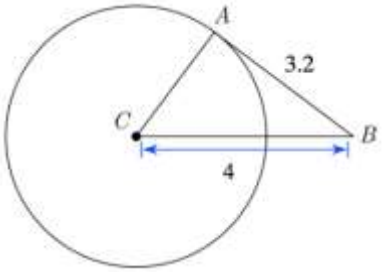


C-A1a

2. Find the length of $\overline{CD}$.

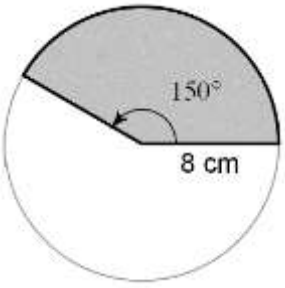


3 $\overline{AB}$ is tangent to circle C. Find its diameter.

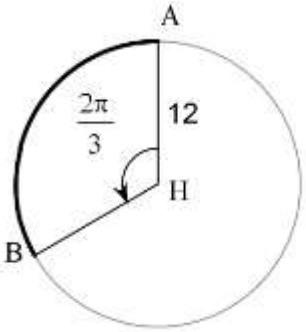


C-B5a

4. Find the exact area of the shaded sector.

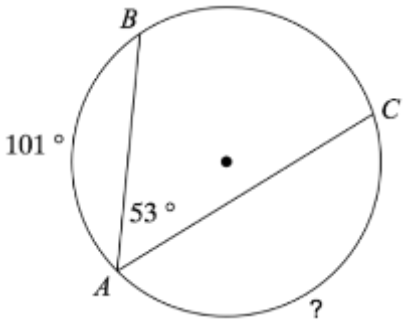


5. Find the exact length of $\widehat{AB}$

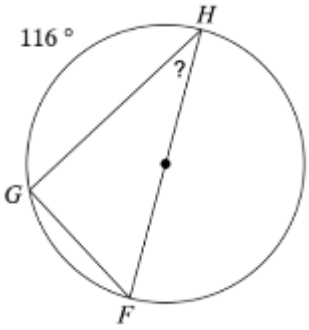


C-A2a

6. Find the degree measure of the indicated arc. $\longrightarrow$



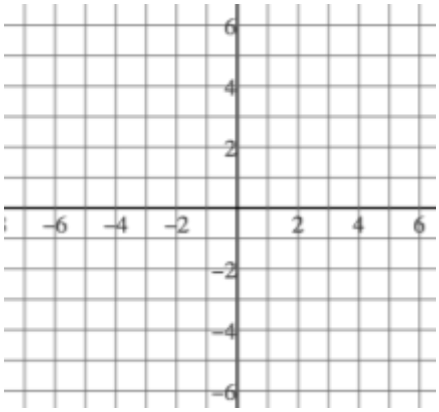
7. Find the degree measure of the indicated angle below.



GPE-A1a

8. Write the equation of a circle where $(-10,11)$ and $(2,1)$ are endpoints of a diameter.

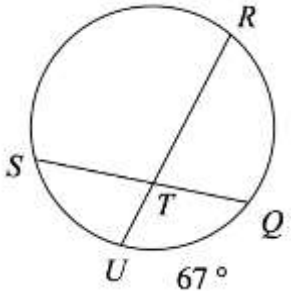
9. Does the point $(\sqrt{7},8)$ lie on a circle with center $(0,5)$ and radius 4? Show the calculations that lead to your conclusion.



10. Sketch the circle described by $(x+2)^2+(y-1)^2=9$

C-A3a

11. Find the measure of $\widehat{RS}$ if $\angle RTS = 106°$



12. Find the measure of $\angle MKL$