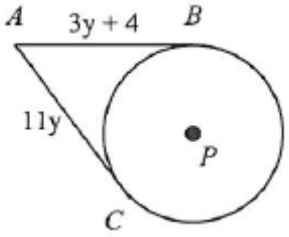
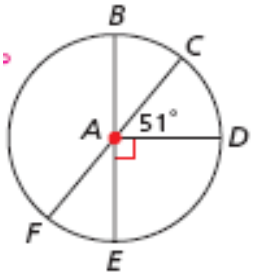
CC Geometry Semester Review Name_____
Chapter 12

Show work. Give answers for #1-15 in simplest form (no decimals).

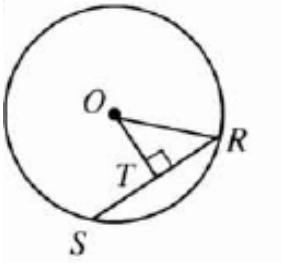
1. $\overline{AB}$ and $\overline{AC}$ are tangent to circle P. Find AB.



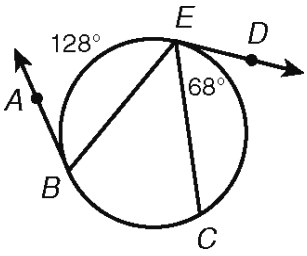
2. Find $\overset{\frown}{mCE}$ _____ and $\overset{\frown}{mDCF}$_____.



3. $OT = 6$ and $SR = 12$. Find the length of $\overline{OR}$.



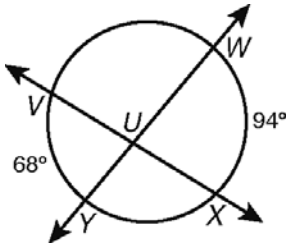
4.



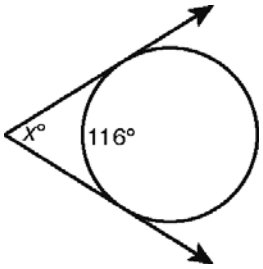
$m\angle ABE =$

$\overset{\frown}{mEC} =$

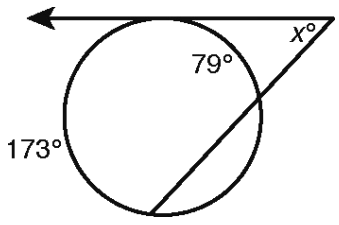
5. Find $m\angle WUX$.



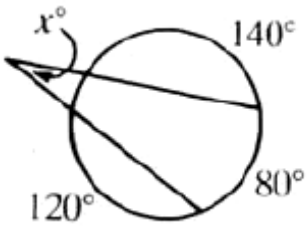
6. Find x.



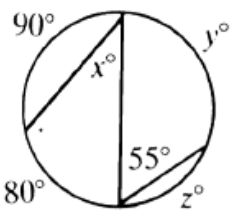
7. Find x.



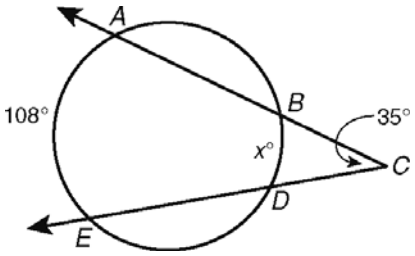
8. Find x.



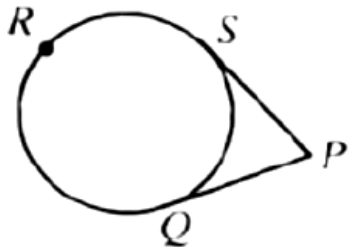
9. Find x and y.



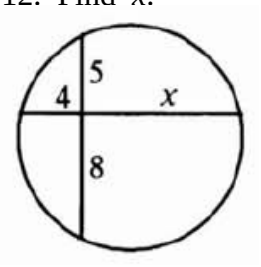
10. Find x.



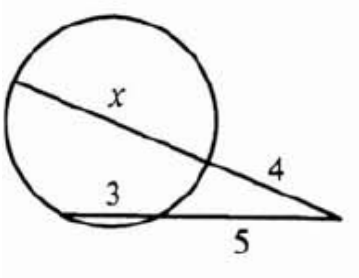
11. m∠P = 62°. Find $\overset{\frown}{SQ}$.



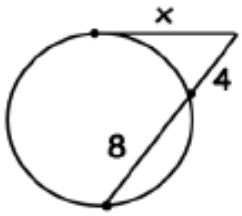
12. Find x.



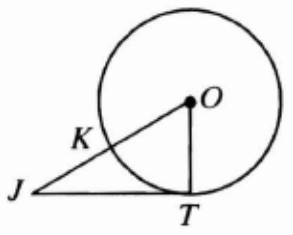
13. Find x.



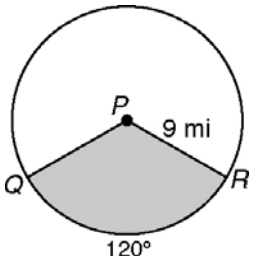
14. Find x.



15. OT = 2 and JT = 6. Find JO.



16. Find the area of sector QPR to the nearest tenth.



17. Identify each segment or line.

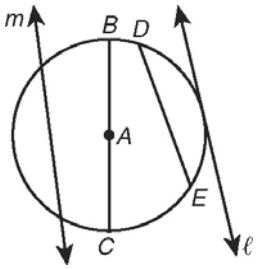
diameter

radius

chord (other than diameter)

tangent

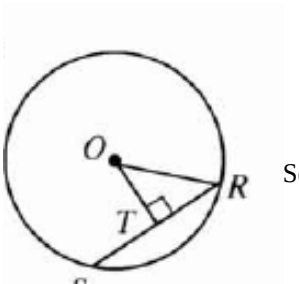
secant



18.a. Write the equation of a circle with center (0, -6) and diameter 25.

b. Given the circle $(x+4)^2+(y-3)^2=16$.
What is the center?

What is the radius?


O
R
T