

Name: _____

Period: _____

10.1 Practice Problems

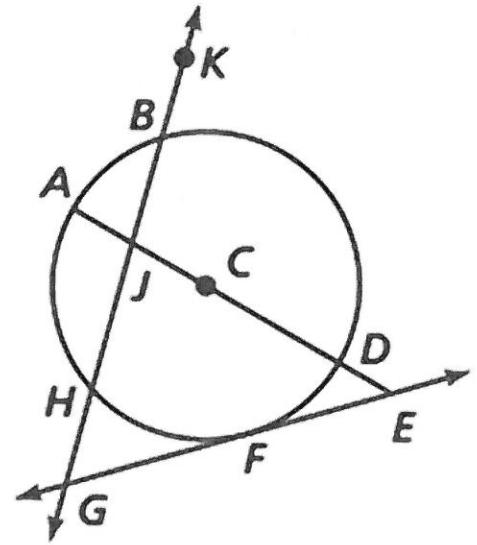
1. Name the circle.

2. Name two radii

3. Name two chords.

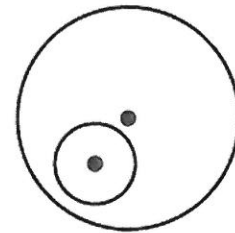
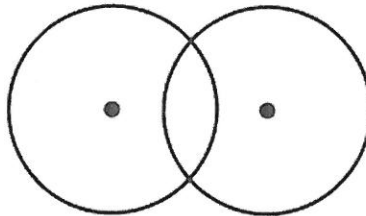
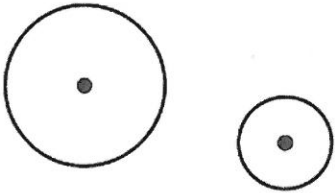
4. Name a diameter.

5. Name a secant.

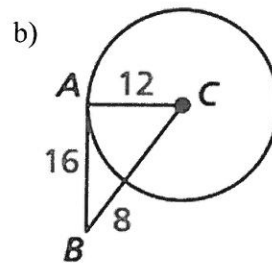
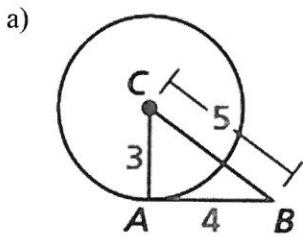


6. Name a tangent and a point of tangency.

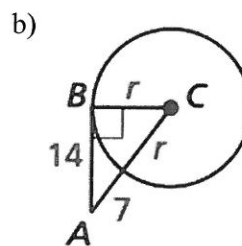
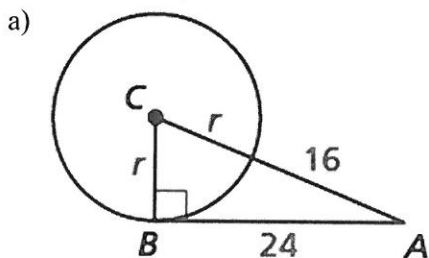
7. Find all common tangents.



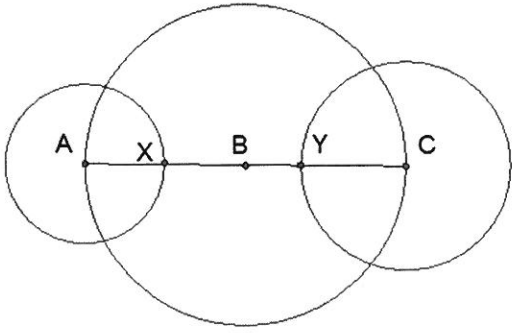
8. Is segment AB tangent to circle C?



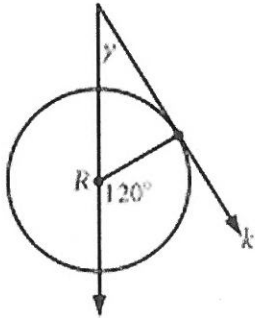
9. Find the length of each radius.



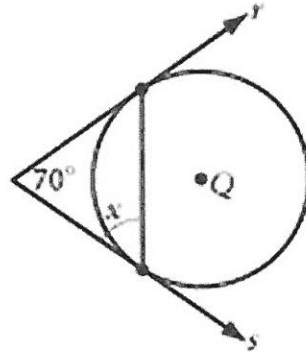
10. The diameter of circle A is 10, circle B is 20 and circle C is 14 inches. Find XB, BY



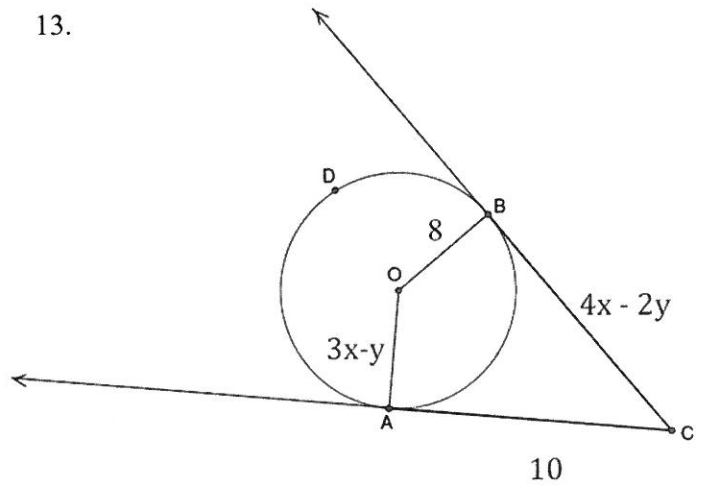
12. Ray k is tangent to circle R .
 $y = ?$



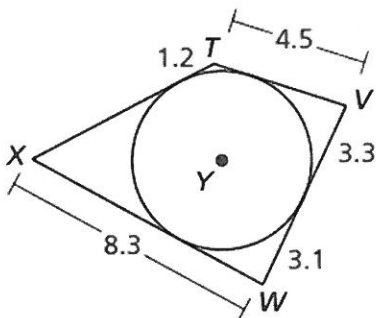
11. Rays r and s are tangent to circle Q . $x = ?$ (h)



- 13.



14. **USING STRUCTURE** Each side of quadrilateral $TVWX$ is tangent to $\odot Y$. Find the perimeter of the quadrilateral.



15. **PROOF** In the diagram, \overline{RS} is a common internal tangent to $\odot A$ and $\odot B$. Prove that $\frac{AC}{BC} = \frac{RC}{SC}$.

