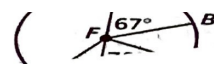


11. \widehat{AC}
13. \widehat{ACE}

12. \widehat{ACD}
14. \widehat{BEC}



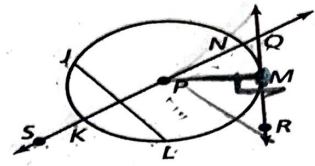
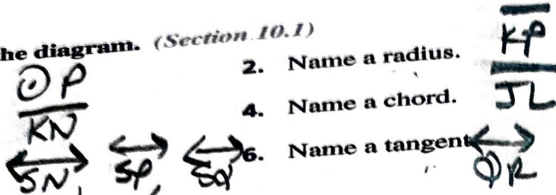
Tell whether the

Name: _____
Period: _____

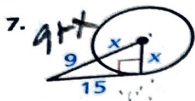
10.1-10.3 Review

In Exercises 1-6, use the diagram. (Section 10.1)

1. Name the circle.
3. Name a diameter.
5. Name a secant.



Find the value of x. (Section 10.1)

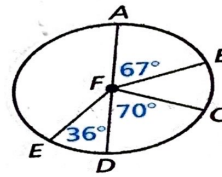


(7) $x^2 + 15^2 = (x+9)(x+9)$
 ~~$x^2 + 225 = x^2 + 18x +$~~

Identify the given arc as a major arc, minor arc, or semicircle. Then find the measure of the arc. (Section 10.2)

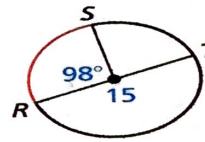
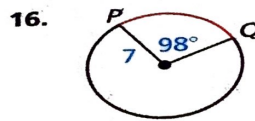
9. \widehat{AE}
11. \widehat{AC}
13. \widehat{ACE}

10. \widehat{BC}
12. \widehat{ACD}
14. \widehat{BEC}

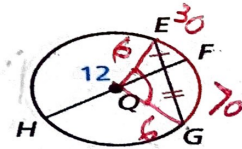
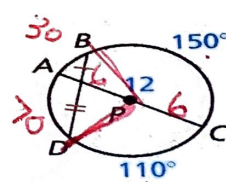
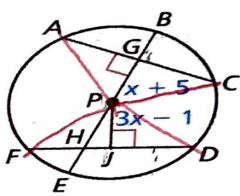


(8) $6x - 3 = 3x + 18$
 $3x = 21$
 $x = 7$

Tell whether the red arcs are congruent. Explain why or why not. (Section 10.2)



17. Find the measure of the red arc in $\odot Q$. (Section 10.3)



18. In the diagram, $AC = FD = 30$, $PG = x + 5$, and $PJ = 3x - 1$. Find the radius of $\odot P$. (Section 10.3)

9. A circular clock can be divided into 12 congruent sections. (Section 10.2)
- Find the measure of each arc in this circle.
 - Find the measure of the minor arc formed by the hour and minute hands when the time is 7:00.
 - Find a time at which the hour and minute hands form an arc that is congruent to the arc in part (b).

