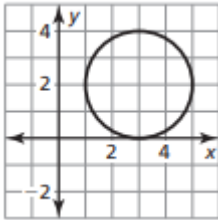


Chapter 10 Review Math 2

1. Write the equation of the circle in standard form:



2. Write the equation of the circle in standard form with center (3, -2) and a point on the circle (23, 19).

3. Write this equation of a circle in standard form:

$$x^2 + 10x + y^2 - 8y = 11$$

4. Convert the measurements as indicated:

a) convert to radians b) convert to degrees

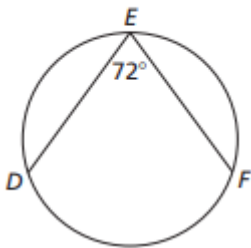
$$270^\circ$$

$$\frac{\pi}{6}$$

Find the indicated measure:

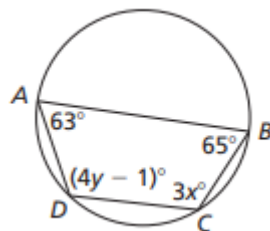
5.

$m\widehat{DF}$

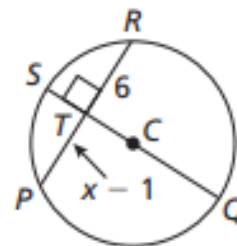


6. $x =$

$y =$

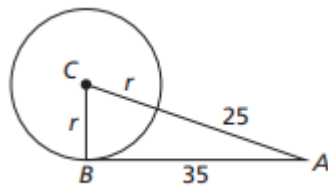
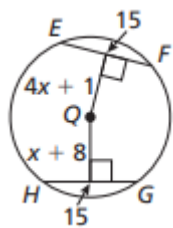


7. $x =$

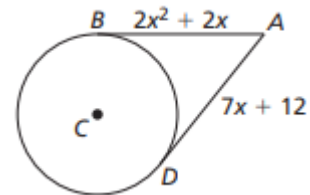


8. radius of circle C

9. B is a point of tangency, find r



10. B and D are points of tangency, find x



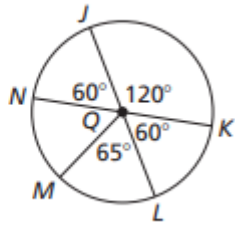
11. Identify the arc as a major arc, minor arc, or semicircle then find the measure of the arc.

\widehat{NM}

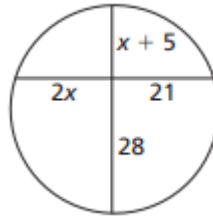
\widehat{JLM}

\widehat{NLK}

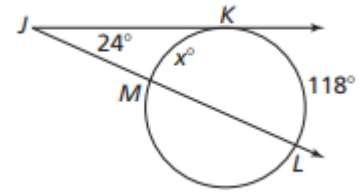
\widehat{LN}



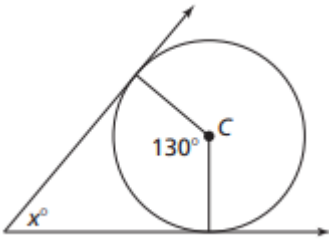
12. $x =$



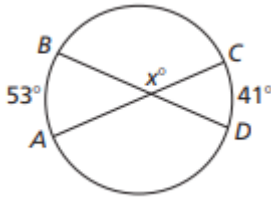
13. $x =$



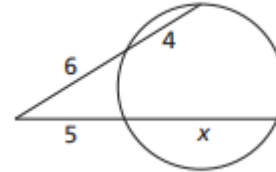
14. $x =$



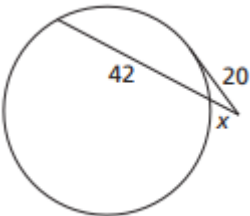
15. $x =$



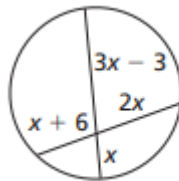
16. $x =$



17. $x =$



18. $x =$



19. $x =$

