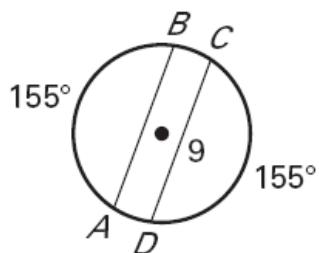


**Geometry
Assignment 9.2**

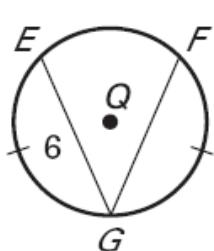
Name _____

Find the chord length.

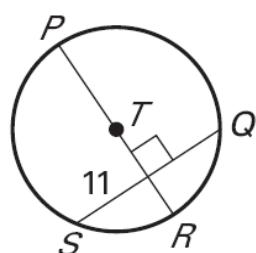
1. AB



2. FG

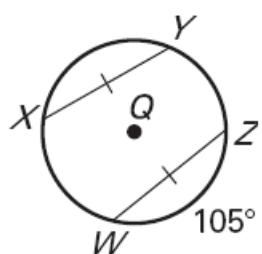


3. QS

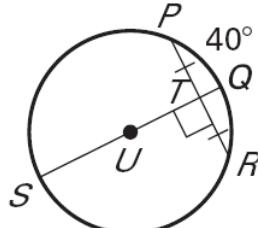


Find the measure of the arc.

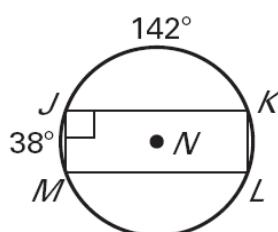
4. $m\widehat{XY}$



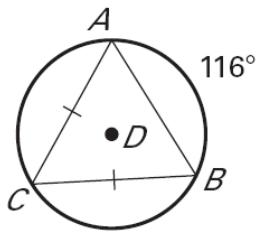
5. $m\widehat{PQR}$



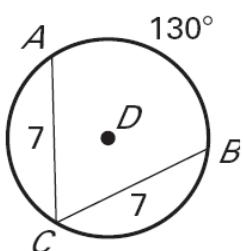
6. $m\widehat{KLM}$



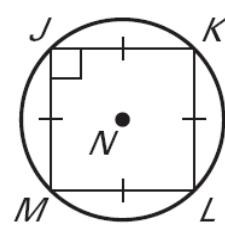
7. $m\widehat{AC}$



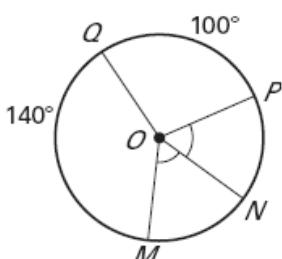
8. $m\widehat{BC}$



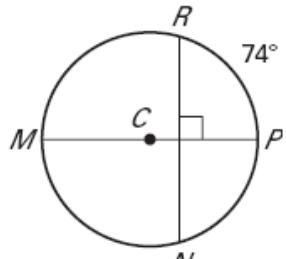
9. $m\widehat{LM}$



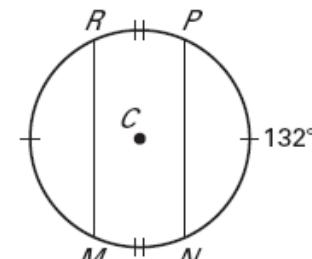
10. $m\widehat{MN}$



11. $m\widehat{MN}$

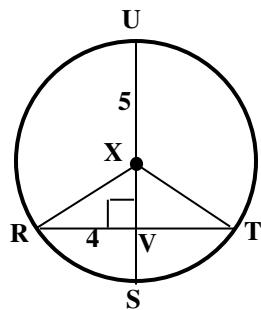


12. $m\widehat{MN}$

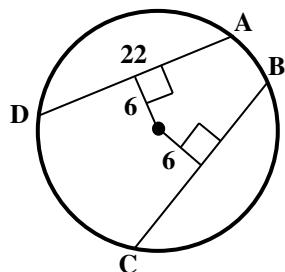


Find the segment length.

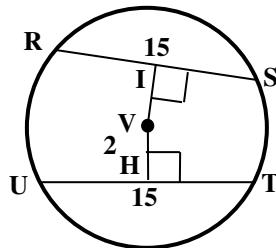
13. XV



14. BC

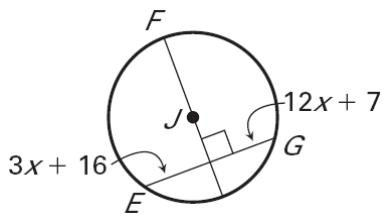


15. VI

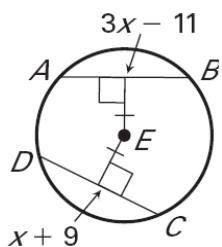


Find the value of x.

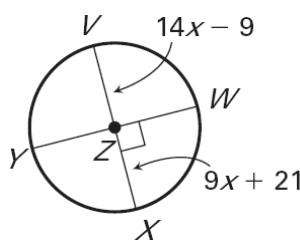
16.



17.



18.



MQ and NR are diameters. Find the indicated measure.

19. $m\widehat{MN}$

20. $m\widehat{NQ}$

21. $m\widehat{NQR}$

22. $m\widehat{MRP}$

23. $m\widehat{QR}$

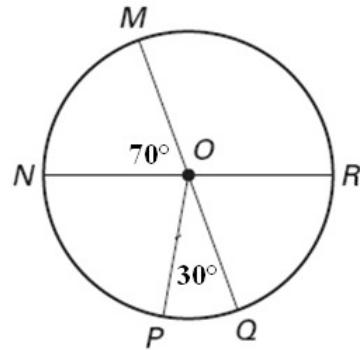
24. $m\widehat{MR}$

25. $m\widehat{QMR}$

26. $m\widehat{PQ}$

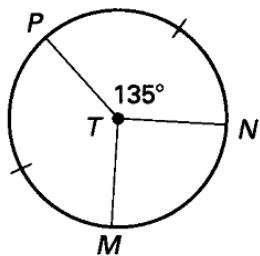
27. $m\widehat{PRN}$

28. $m\widehat{MQN}$

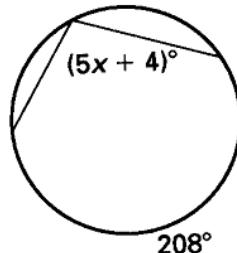


Find the indicated measure.

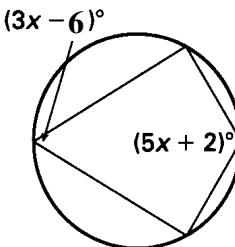
29. $m\widehat{MN}$



30. Find x.



31.



Answer Key:

- 1) AB = 9 2) FG = 6 3) QS = 22 4) $m\widehat{XY} = 105^\circ$ 5) $m\widehat{PQR} = 80^\circ$ 6) $m\widehat{KLM} = 180^\circ$ 7) $m\widehat{AC} = 122^\circ$
- 8) $m\widehat{BC} = 115^\circ$ 9) $m\widehat{LM} = 90^\circ$ 10) $m\widehat{MN} = 60^\circ$ 11) $m\widehat{MN} = 106^\circ$ 12) $m\widehat{MN} = 48^\circ$ 13) XV = 3
- 14) BC = 22 15) VI = 2° 16) x = 1 17) x = 10 18) x = 6 19) $m\widehat{MN} = 70^\circ$ 20) $m\widehat{NQ} = 110^\circ$
- 21) $m\widehat{NQR} = 180^\circ$ 22) $m\widehat{MRP} = 210^\circ$ 23) $m\widehat{QR} = 70^\circ$ 24) $m\widehat{MR} = 110^\circ$ 25) $m\widehat{QMR} = 290^\circ$
- 26) $m\widehat{PQ} = 30^\circ$ 27) $m\widehat{PRN} = 280^\circ$ 28) $m\widehat{MQN} = 290^\circ$ 29) $m\widehat{MN} = 90^\circ$ 30) x = 20 31) x = 23