10.3 Arcs and Chords Review

**In Circle H,** $m\hat{RS}=82,$$m\hat{TU}=82,$ **RS = 46, and** $\overbar{TU}≅\overbar{RS}.$ **Find each measure.**

1. TU 2. TK 3. MS 4. m<HKU

5.$ m\hat{AS}$ 6.$ m\hat{AR}$ 7. $m\hat{TD}$ 8. $m\hat{DU}$



**The radius of Circle Y is 34, AB = 60, and** $m\hat{AC}=71$**. Find each measure.**

9.$ m\hat{BC}$ 10. $m\hat{AB}$ 11. AD

12. BD 13. YD 14. DC

**In Circle X, LX = MX, XY = 58, and VW = 84. Find each measure.**

15.$ $YZ 16. YM 17. MX

18. MZ 19. LV 20. LX

**In Circle E,** $m\hat{HQ}=48,$ **HI = JK, and JR = 7.5. Find each measure.**

21.$ m\hat{HI}$ 22. $m\hat{QI}$ 23. $m\hat{JK}$

24. HI 25. PI 26. JK



**The radius of Circle N is 18, NK = 9, and** $m\hat{DE}=120$**. Find each measure.**

27. $m\hat{GE}$ 28. m<HNE 29. m<HEN 30. HN



**The radius of Circle O is 32,** $\hat{PQ}≅\hat{RS},$ **and PQ = 56. Find each measure.**

31. PB 32. BQ 33. OB 34. RS

35. The base figure in a mandala design is a nine-pointed star. Find the measure of each arc of the cirlce circumscribed about the star.