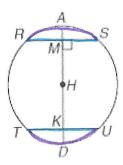
10.3 Arcs and Chords Review

In Circle H, $\widehat{mRS}=82$, $\widehat{mTU}=82$, RS = 46, and $\overline{TU}\cong \overline{RS}$. Find each measure.



3. MS

4. m<HKU



5.
$$m\widehat{AS}$$

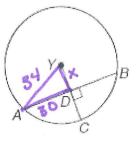
$$6. \, m\widehat{AR}$$

7.
$$m\widehat{TD}$$

The radius of Circle Y is 34, AB = 60, and $\widehat{mAC} = 71$. Find each measure.

9.
$$m\widehat{BC}$$

10.
$$m\widehat{AB}$$

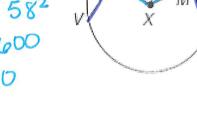


$$X^2 + 30^2 = 34^2$$

14. DC

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

$$42^2 + x^2 = 58^2$$

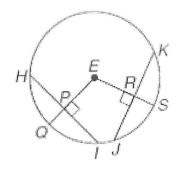


In Circle E, $m\widehat{HQ}=48$, HI = JK, and JR = 7.5. Find each measure.

21.
$$m\widehat{HI}$$

23. $m\widehat{J}\widehat{K}$

96



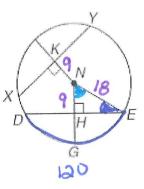
24. HI

26. JK

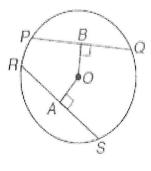
The radius of Circle N is 18, NK = 9, and $m\widehat{DE}=120$. Find each measure.

27.
$$m\widehat{GE}$$

$$60^{\circ}$$
 $810^{-1}(\frac{18}{4})$



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



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.

$$\frac{360}{9} = 40^{\circ}$$

