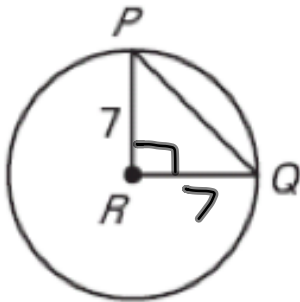


No Bellwork
03/13/12

Review 10.2

\widehat{PQ} has a measure of 90° in circle R . Find the length of \overline{PQ} .



$$PQ^2 = 7^2 + 7^2$$

$$PQ^2 = 49 + 49$$

$$\sqrt{PQ^2} = \sqrt{98}$$

$$PQ = 7\sqrt{2} \text{ or } 9.8$$

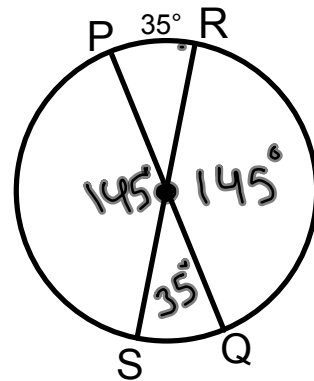
Two diameters of circle T are \overline{PQ} and \overline{RS} . Find the given arc measure if $m\widehat{PR} = 35^\circ$

$$m\widehat{PS} = 145^\circ$$

$$m\widehat{PSR} = 325^\circ$$

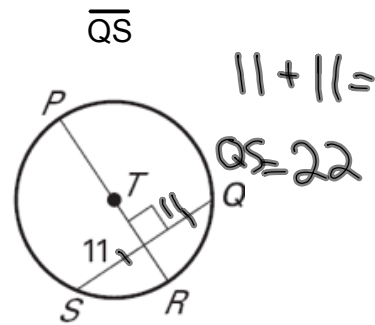
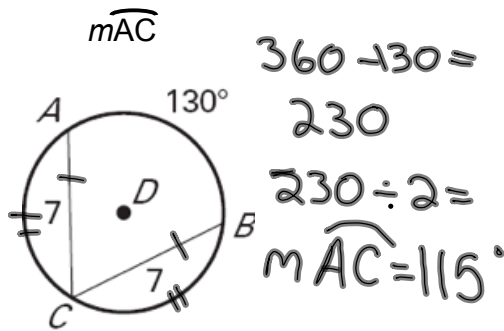
$$m\widehat{PRQ} = 180^\circ$$

$$m\widehat{PRS} = 215^\circ$$

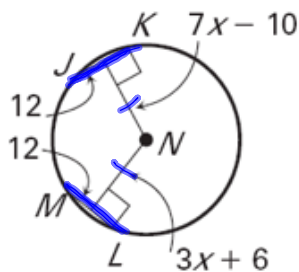


Review 10.3

Find the measure of the given arc or chord.



Find the value of x.

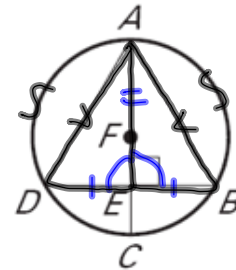


$7x - 10 = 3x + 6$
 $4x = 16$
 $x = 4$

Given: \overline{AC} is a diameter of circle F.

$\overline{AC} \perp \overline{BD}$

Prove: $\overline{AD} \cong \overline{AB}$



1. \overline{AC} is a diameter of circle F.
 $\overline{AC} \perp \overline{BD}$

2. $\angle AEB \cong \angle AED$

3. $\overline{DE} \cong \overline{BE}$

4. $\overline{AE} \cong \overline{AE}$

5. $\triangle AED \cong \triangle AEB$

6. $\overline{AD} \cong \overline{AB}$

7. $\widehat{AD} \cong \widehat{AB}$

1. Given

2. Right $\angle \cong$ Thm.

3. Thm 10.5

4. Reflexive Prop.

5. SAS Post.

6. CPCTC

7. Thm 10.3

Homework Assignment

Pg. 914 #1-30