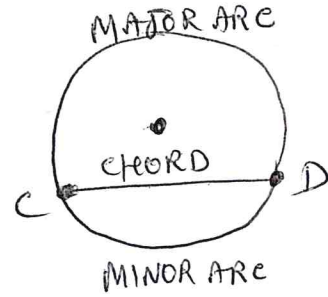
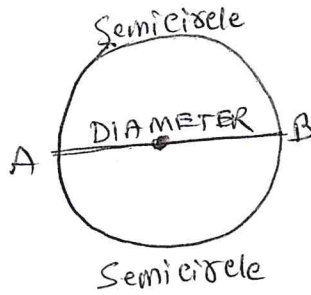
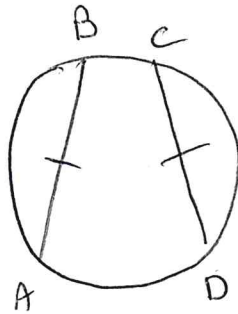


Mr.Reddy's Notes 10.3 Properties of Chords JMA Geometry

①

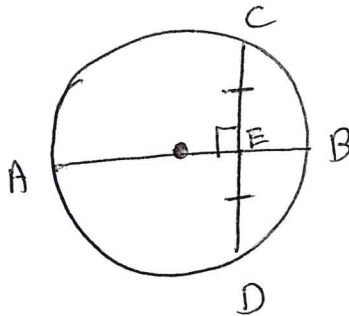


②



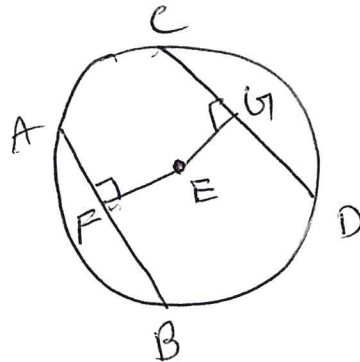
$\widehat{AB} = \widehat{CD}$ if and only if $\overline{AB} = \overline{CD}$
 [$\overline{AB}, \overline{CD}$ CHORDS]

③



IF $\overline{AB} \perp \overline{CD}$;
 THEN $\overline{CE} = \overline{ED}$ [$\overline{AB} = \text{DIAMETER}$
 $\overline{CD} = \text{CHORD}$].

④ Same circle or IN CONGRUENT CIRCLES, TWO CHORDS ARE CONGRUENT IF AND ONLY IF THEY ARE EQUIDISTANT FROM THE CENTER.



$\overline{AB} = \overline{CD}$ if and only
 IF $\overline{EF} = \overline{EG}$

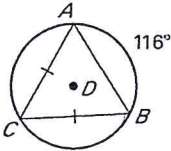
Name _____

Date _____

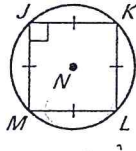
LESSON 10.3 Practice
For use with pages 664-670

Find the measure of the given arc or chord.

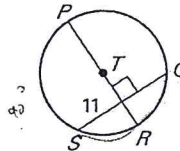
1. $m\widehat{BC}$



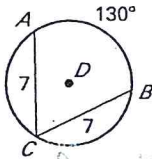
2. $m\widehat{LM}$



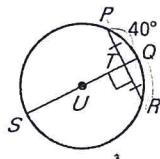
3. \overline{QS}



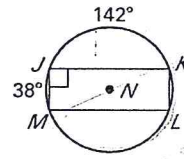
4. $m\widehat{AC}$



5. $m\widehat{PQR}$

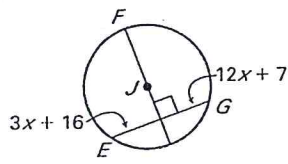


6. $m\widehat{KLM}$

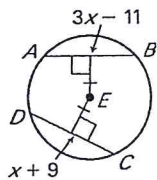


Find the value of x .

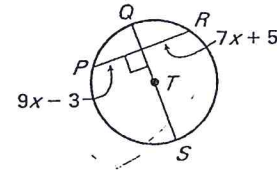
7.



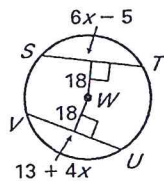
8.



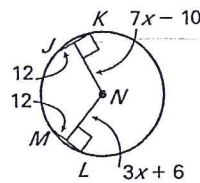
9.



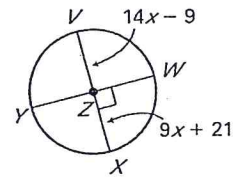
10.



11.

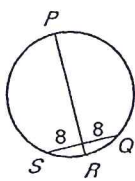


12.

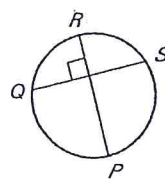


In Exercises 13-16, determine whether \overline{PR} is a diameter of the circle.

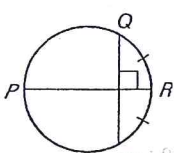
13.



14.



15.



16.

