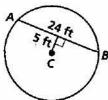
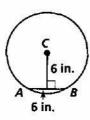
## Practice 11-2

**Chords and Arcs** 

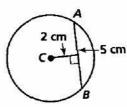
Find the radius and  $\widehat{mAB}$ .



2.



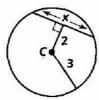
3.



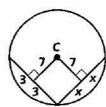
Find the value of x to the nearest tenth.



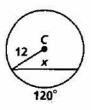
5.



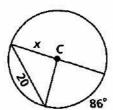
6.



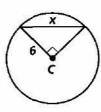
7.



8.

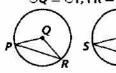


9.



List what you can conclude from each diagram.

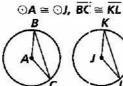
10.



 $\bigcirc Q \cong \bigcirc T$ ,  $\widehat{PR} \cong \widehat{SU}$ 



11.

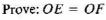


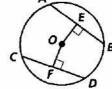


Write a two-column proof, a paragraph proof, or a flow proof.

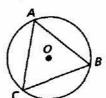
12. Prove Theorem 11-5, part (2).

Given: 
$$\bigcirc O$$
,  $\overline{OE} \perp \overline{AB}$ ,  $\overline{OF} \perp \overline{CD}$ ,  $AB = CD$ 





13. Given:  $\bigcirc O$  with  $\widehat{mAB} = \widehat{mBC} = \widehat{mCA}$ Prove:  $m \angle ABC = m \angle BCA = m \angle CAB$ 



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