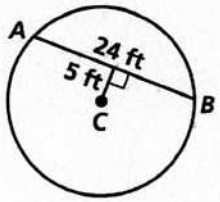
Name _____ Class _____ Date _____

Practice 12-3

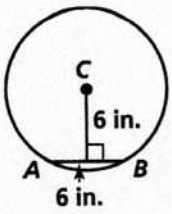
Mixed Exercises

Find the radius and $m\widehat{AB}$.

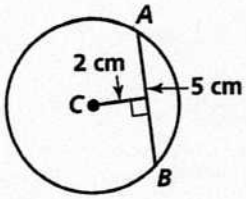
1.



2.

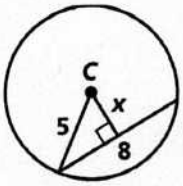


3.

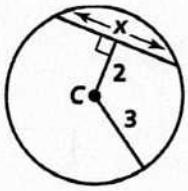


Find the value of x.

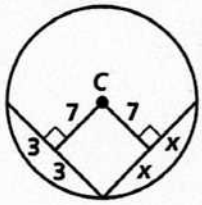
4.



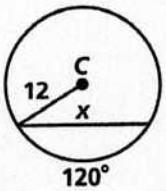
5.



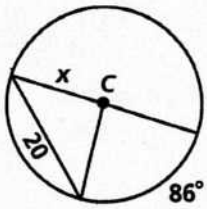
6.



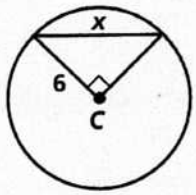
7.



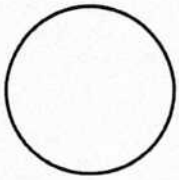
8.



9.



10. Construct the center of the circle.

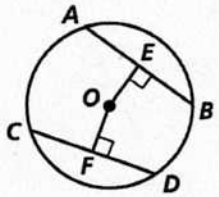


Write a two-column proof, a paragraph proof, or a flow proof.

11. Prove Theorem 12-9, part (2).

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

Prove: $OE = OF$



12. Given: $\odot O$ with $m\widehat{AB} = m\widehat{BC} = m\widehat{CA}$

Prove: $m\angle ABC = m\angle BCA = m\angle CAB$