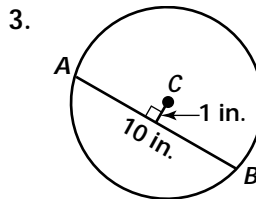
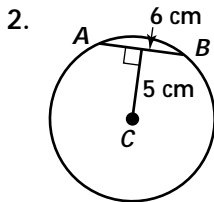
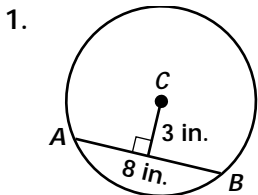


# Practice 12-3

## Example Exercises

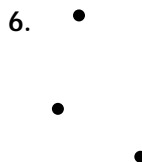
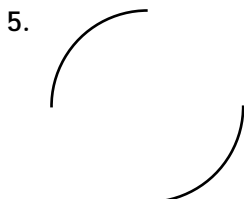
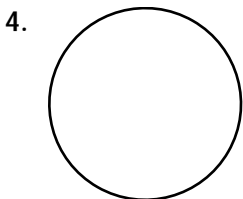
### Example 1

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



### Example 2

Construct the center of each circle. If the circle is incomplete, complete its construction.

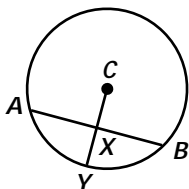


### Example 3

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

7. Given:  $\odot C, AX = BX$

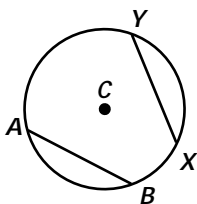
Prove:  $\overline{CX} \perp \overline{AB}$



8. Prove Theorem 12-6, part (1).

Given:  $\odot C, AB = XY$

Prove:  $m\widehat{AB} = m\widehat{XY}$



9. Prove Theorem 12-6, part (2).

Given:  $\odot C, m\widehat{AB} = m\widehat{XY}$

Prove:  $AB = XY$