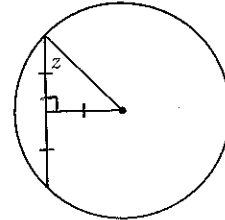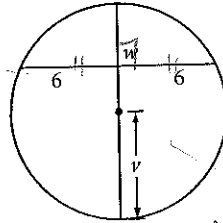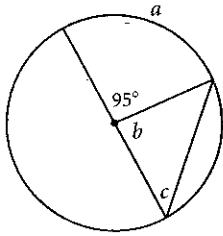# Lesson 6.2 • Chord Properties
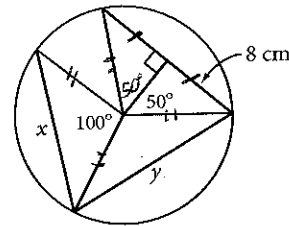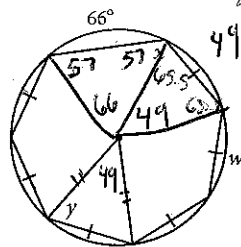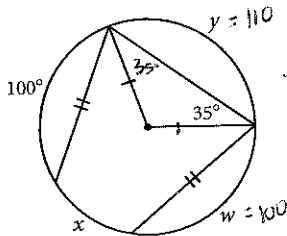
Name _____ Period _____ Date _____

In Exercises 1–6, find each unknown or write "cannot be determined."

1. $a =$ __$95°$__, $b =$ __$85°$__,
$c =$ __$47.5°$__

2. $w =$ __$90°$__, $v =$ __CBD__

3. $z =$ __$45°$__

4. $w =$ __$100°$__, $x =$ __$50°$__,
$y =$ __$110°$__

5. $w =$ __$49°$__, $x =$ __$122.5°$__,
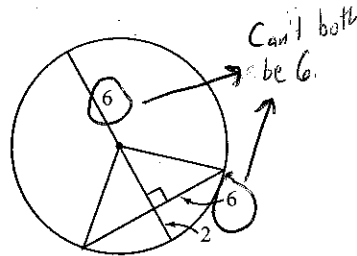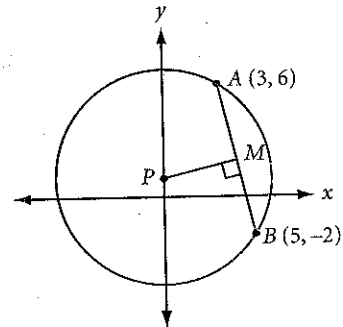$y =$ __$65.5°$__

6. $x =$ __16__, $y =$ __CBD__

Th

7. $\overline{AB} \cong \overline{AC}$. AMON is a
_____.
Justify your answer.
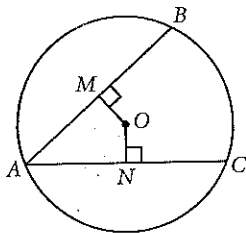
8. What's wrong with this picture?

Can't both be 6.

9. Find the coordinates of P and M.

A (3, 6)
B (5, –2)

10. $m\overset{\frown}{AB} =$ __$49°$__
$m\overset{\frown}{ABC} =$ __$253°$__
$m\overset{\frown}{BAC} =$ __$156°$__
$m\overset{\frown}{ACB} =$ __$311°$__
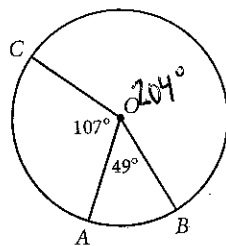
11. Trace part of a circle onto patty paper. Fold to find the center. Explain your method.