Homework 8.3: Inscribed Angles Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 3

**Directions:**  Find the value of each variable. For each circle, the dot represents the center.

1.
2.
3.



1.
2.
3.

**Directions:** Find the value of each variable. Lines that appear to be tangent are tangent.



1.
2.
3.

**Directions:** Find each indicated measure for *M.*

1. *m*∠*B*
2. *m*∠*C*

1. **
2. ****

**Directions:** Find the value of each variable. For each circle, the dot represents the center.



1.
2.
3.

Homework 8.4: Angles and Segments Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 3

**Directions:** Solve for x.



1.
2.
3.

**Directions:** Solve for each variable listed.



1.
2.
3.



1. There is a circular cabinet in the dining room. Looking in from another room at point *A,* you estimate that you can see an arc of the cabinet of about 100°. What is the measure of ∠*A* formed by the tangents to the cabinet?

**Directions:** Find the diameter of *O.* A line that appears to be tangent is tangent. If your answer is not a whole number, round to the nearest tenth.



1.
2.
3.