Unit 6, Day 9 Homework: 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.

**Directions:** Solve for x.

1.  12. 13.



14. 15. 16.