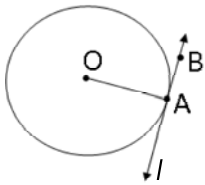


Geometry Sem 2 Week 17 Tuesday Warmup

Line  $l$  is tangent to circle  $O$ .



1)  $m\angle OAB =$

2) Point A is called the

3. The diameter of a circle  $D$  is 34 cm. Chord is 16 cm long. Find the distance from  $D$  to the chord. (Make a sketch and solve.)

4. Draw two circles so that the number of common tangents is

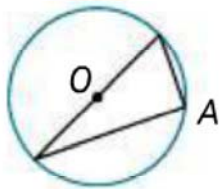
a) one.



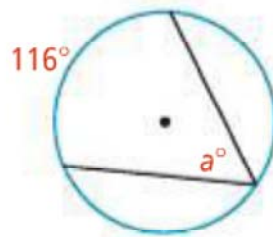
b) three.



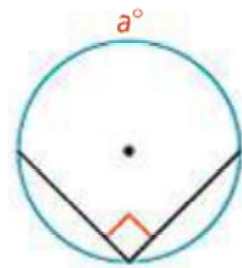
1. In  $\odot O$ , what is  $m\angle A$ ?



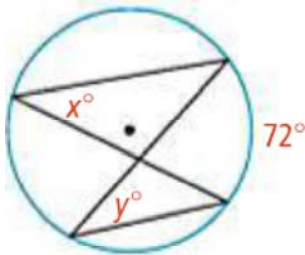
2. Find  $a$ .



3. Find  $a$ .

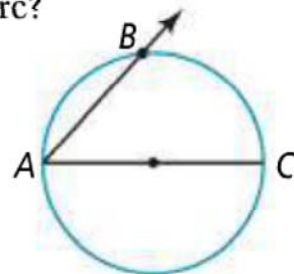


4. Find  $x$     5. Find  $y$ .



6. **Vocabulary** What is the relationship between an inscribed angle and its intercepted arc?

7. **Error Analysis** A classmate says that  $m\angle A = 90$ . What is your classmate's error?



Using the diagram below, match the notation with the term that best describes it.

- |                             |                              |
|-----------------------------|------------------------------|
| 7. Chord                    | A. $\overline{CB}$           |
| 8. Point of tangency        | B. $\overleftrightarrow{BG}$ |
| 9. Common Internal Tangent  | C. $\overleftrightarrow{DE}$ |
| 10. Common External Tangent | D. $A$                       |
| 11. Center                  | E. $\overline{EB}$           |
| 12. Radius                  | F. $\overleftrightarrow{AH}$ |
| 13. Diameter                | G. $\overline{DE}$           |
| 14. Secant                  | H. $C$                       |

