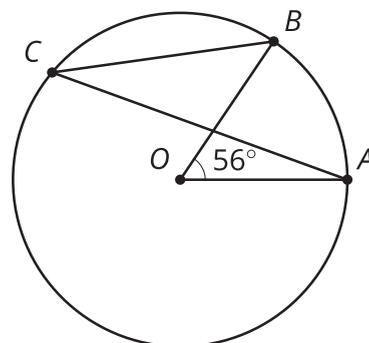


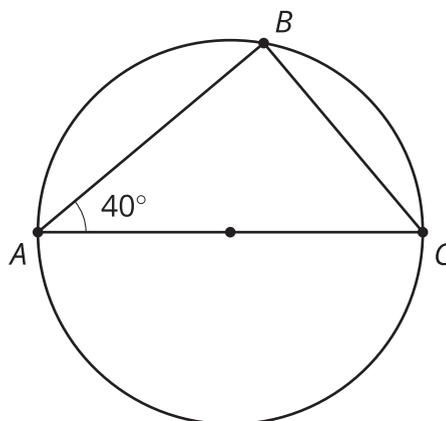
## Lesson 2 Practice Problems

1. The measure of angle  $AOB$  is 56 degrees. What is the measure of angle  $ACB$ ?



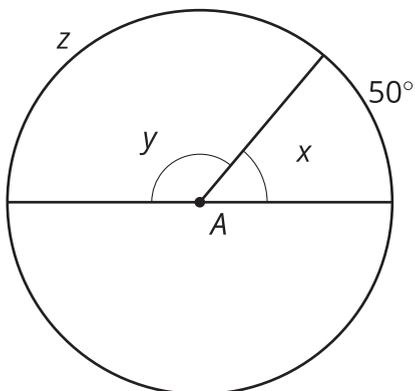
2. Explain the difference between central and inscribed angles.

3. What is the measure of the arc from  $A$  to  $B$  that does not pass through  $C$ ?



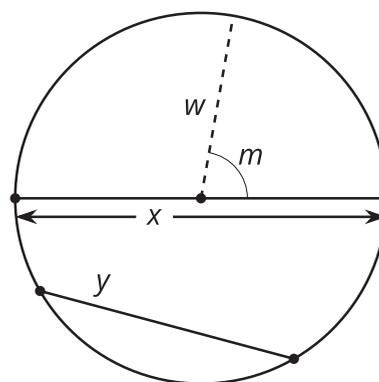
- A. 160 degrees
- B. 140 degrees
- C. 100 degrees
- D. 90 degrees

4. Find the values of  $x$ ,  $y$ , and  $z$ .



(From Unit 7, Lesson 1.)

5. Match the vocabulary term with the label.



- |                                 |        |
|---------------------------------|--------|
| A. chord that is not a diameter | 1. $m$ |
| B. diameter                     | 2. $w$ |
| C. radius                       | 3. $x$ |
| D. central angle                | 4. $y$ |

(From Unit 7, Lesson 1.)

6. Triangle  $ABC$  has vertices at  $(-4, 0)$ ,  $(-2, 12)$ , and  $(12, 0)$ . What is the point of intersection of its medians?

A.  $(4, 0)$

B.  $(5, 6)$

C.  $(2, 4)$

D.  $(4, 2)$

(From Unit 6, Lesson 16.)

7. The rule  $(x, y) \rightarrow (y, -x)$  takes a line to a perpendicular line. Select another rule that takes a line to a perpendicular line.

A.  $(x, y) \rightarrow (-y, -x)$

B.  $(x, y) \rightarrow (2y, 2x)$

C.  $(x, y) \rightarrow (-4y, 4x)$

D.  $(x, y) \rightarrow (0.25y, -4)$

(From Unit 6, Lesson 11.)