Name: _____ **Class:** _____ **Date:** _____ **ID: A**

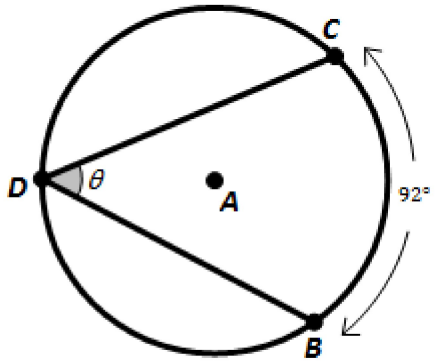
04-02-Sample Quiz-Inscribed Angles

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1.

Based on the measures provided in the diagram, determine the measure of $\angle BDC$.

(You may assume that point A is the center of the circle.)



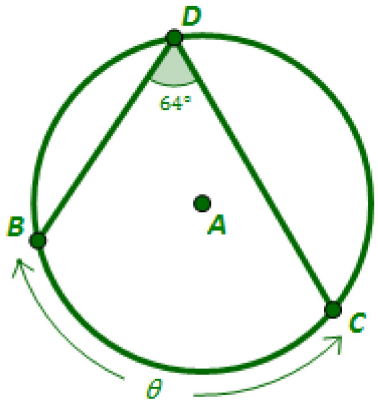
(Figure may not be drawn to scale.)

a. 44°
b. 46°
c. 88°
d. 92°

____ 2.

Based on the measures provided in the diagram, determine the measure of $\overset{\frown}{BC}$.

(You may assume that point A is the center of the circle.)



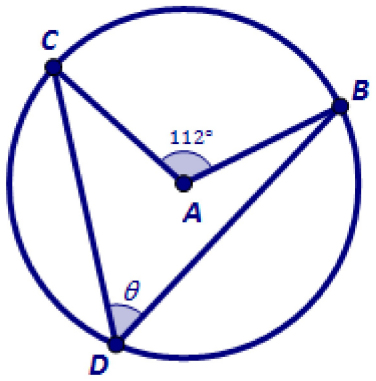
(Figure may not be drawn to scale.)

a. 154°
b. 64°
c. 116°
d. 128°

____ 3.

Based on the measures provided in the diagram, determine the measure of $\angle CDB$.

(You may assume that point A is the center of the circle.)



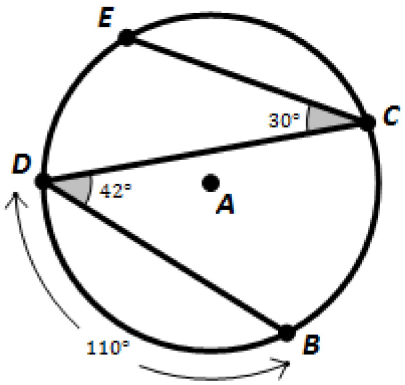
(Figure may not be drawn to scale.)

a. 34°
b. 56°
c. 68°
d. 112°

____ 4.

Based on the measures provided in the diagram, determine the measure of $\overset{\frown}{CE}$.

(You may assume that point A is the center of the circle.)



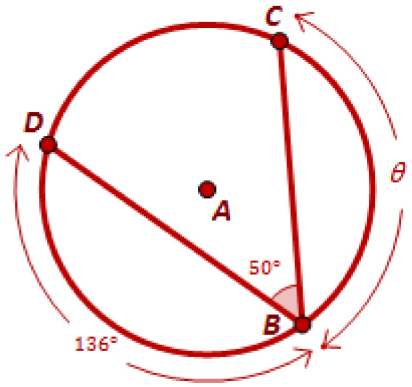
(Figure may not be drawn to scale.)

a. 106°
b. 110°
c. 142°
d. 182°

____ 5.

Based on the measures provided in the diagram, determine the measure of $\overset{\frown}{CB}$.

(You may assume that point A is the center of the circle.)



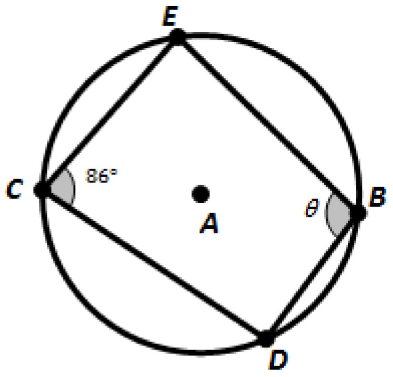
(Figure may not be drawn to scale.)

a. 100°
b. 118°
c. 124°
d. 136°

____ 6.

Based on the measures provided in the diagram, determine the measure of the angle θ.

(You may assume that point A is the center of the circle.)



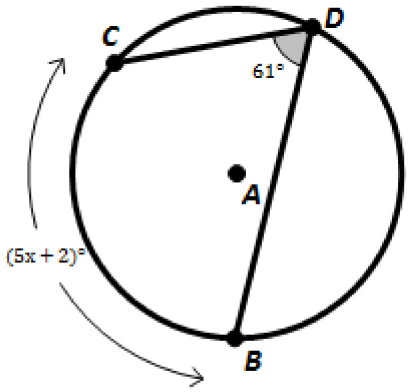
(Figure may not be drawn to scale.)

a. 43°
b. 86°
c. 94°
d. 172°

____ 7.

Based on the measures provided in the diagram, determine the most appropriate value for ***x***.

(You may assume that point A is the center of the circle.)

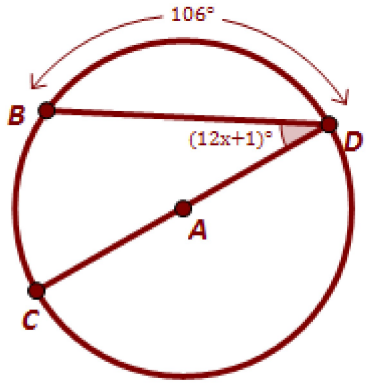


a. $x = 11.8$
b. $x = 22.4$
c. $x = 24$
d. $x = 122$

____ 8.

Based on the measures provided in the diagram, determine the most appropriate value for ***x***.

(You may assume that point A is the center of the circle.)



a. $x = 4.\overline{3}$
b. $x = 3$
c. $x = 6.08\overline{3}$
d. $x = 8.75$