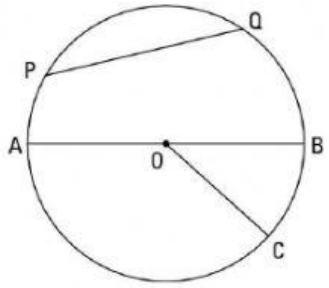
Name _____ **Assessment SOL 5.10 Circles**

Short Answer: Write the answer in the blank.
Use the diagram below to answer questions 1-6. Use the word bank for items 1-4.

Word Bank:
Diameter
Circumference
Radius
Chord



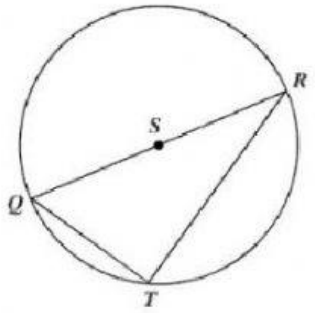
Point O is the center of the circle.

1. **Which term best describes $\overline{PQ}$? _____**
2. **Which two terms can be used to describe $\overline{AB}$? _____**
3. **The distance around the circle is called the _____.**
4. **Which term best describes $\overline{OC}$? _____**
5. **Name 3 line segments that have the same length. _____ _____ _____**
6. **If the radius of the circle is 6 inches, then what is the approximate length of the circumference and the diameter?'**

Diameter: _____ **Circumference: _____**

Multiple Choice: Circle the correct answer.

7. **Which line segment is a radius?**



□A. QS

□B. RT

□C. QT

□D. QR

8. **If the diameter of the figure above is 10 cm, what is the approximate circumference?**

□A 5 cm □B 10 cm □C 20 cm □D 30 cm

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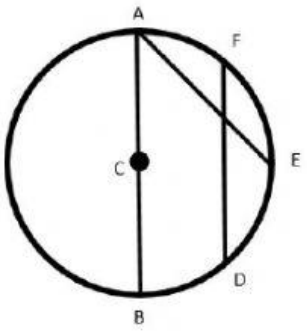
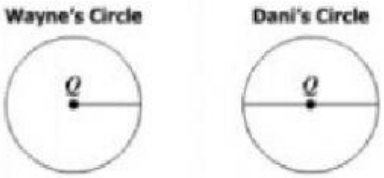
9. **Which line segment is NOT a chord?**



- A. AB
- B. AC
- C. EA
- D. DF

10. **Wayne and Dani both drew congruent circles and marked the center points as *Q*. They each drew a line segment inside their circle as shown.**



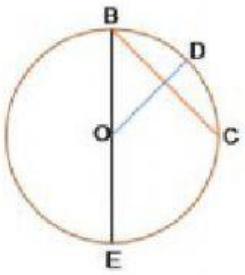
Which statement best describes the line segments in Wayne's and Dani's circles?

- A. Wayne's line segment shows a diameter, and Dani's line segment shows a radius.
- B. Wayne's line segment shows a radius, and Dani's line segment shows a diameter.
- C. Wayne's line segment shows a diameter, and Dani's line segment shows a chord.
- D. Wayne's line segment shows a chord, and Dani's line segment shows a diameter.

Multiple Response: Shade the box to select all of the correct answers.

11. **Identify each line segment that is a radius.**

OD	BC
EO	OB
BE	BD



12. **Identify each statement that is TRUE.**

A diameter is twice the radius.	The circumference is about 3 times the diameter.	The circumference is about 2 times the diameter.	The diameter is 3 times the radius.

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