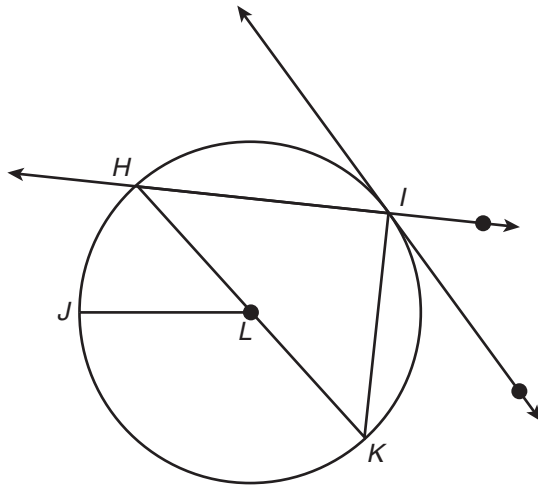


GRADE 10 **Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.6.2 Benchmark Pre-Test (Multiple Choice)

Use the figure for problems 1–6.



1. On the figure above, which is a radius?
 - A. \overline{IK}
 - B. \overline{HL}
 - C. \overline{HI}
 - D. \overline{JK}

2. On the figure above, which is a chord?
 - F. \overline{LK}
 - G. \overline{HL}
 - H. \overline{HI}
 - I. \overline{JL}

3. On the figure, which is a diameter?
 - A. \overline{IK}
 - B. \overline{HK}
 - C. \overline{HI}
 - D. \overline{JL}

4. On the figure, which is a tangent line?
 - F. \overleftrightarrow{IN}
 - G. \overleftrightarrow{IM}
 - H. \overleftrightarrow{HI}
 - I. \overline{HK}

5. On the figure, which is a secant line?
 - A. \overleftrightarrow{IN}
 - B. \overleftrightarrow{IM}
 - C. \overline{HK}
 - D. \overline{JL}

6. If a concentric circle was drawn on the figure, which of the following must be true about the circle?
 - F. Its center must be at point L .
 - G. Its center must be at point I .
 - H. It must pass through point L .
 - I. It must pass through point I .

GRADE

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Focus on Sunshine State Standards: Benchmark Tests

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7. Which of the following is a segment of a secant line?

- A. arc
- B. chord
- C. radius
- D. tangent

8. Which of the following describes the distance around a circle?

- F. arc
- G. circumference
- H. concentric
- I. tangent

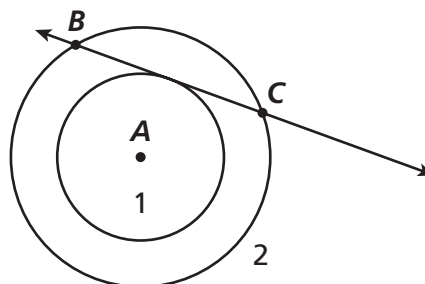
9. Which of the following **must** pass through both circles if the circles are concentric?

- A. chord
- B. diameter
- C. secant
- D. tangent

10. Which of the following is part of the circumference of a circle?

- F. arc
- G. concentric
- H. diameter
- I. tangent

11. Which of the following best describes \overleftrightarrow{BC} ?



- A. \overleftrightarrow{BC} is a secant line to Circle 1 and a tangent line to Circle 2.
- B. \overleftrightarrow{BC} is a tangent line to Circle 1 and a secant line to Circle 2.
- C. \overleftrightarrow{BC} is a chord to both circles.
- D. \overleftrightarrow{BC} is concentric to both circles.

12. A radius is to a diameter as a chord is to which of the following?

- F. arc
- G. circumference
- H. tangent
- I. secant