

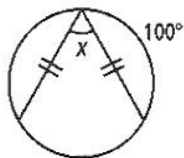
12-4 Puzzle: Crossword

Angle Measures and Segment Lengths

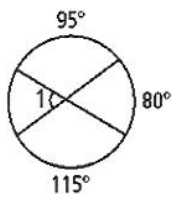
All of the clues below involve vocabulary or theorems you have learned so far in chapter 12. Write numerical answers in word form. (Include hyphens where appropriate.) *Show Work!*

Across

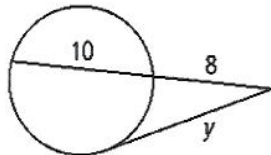
- The ? chord in a circle is also called the diameter.
- A(n) ? line is one that touches a circle at only one point.
- Find the value of x .



- Find $m\angle 1$.



- An angle inscribed in a(n) ? is a right angle.
- A(n) ? angle is formed by two chords with a vertex on a circle.
- Find the value of y .



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Down

- If a line is tangent to a circle, then the line is ? to the radius at the point of tangency.
- If a(n) ? is perpendicular to a chord, it bisects the chord and its arc.
- A(n) ? is a segment whose endpoints are on a circle.
- A line (or part of a line) that intersects a circle at two points is called a(n) ?.
- Within a circle, congruent central angles have congruent ?.