



What to know for the Chapter 10 Quiz

Definitions

- Circle, center, radius
- Congruent circles
- Concentric circles
- Points inside, outside, and on a circle
- Chord
- The distance from the center of a circle to a chord
- Diameter
- Secant, secant segment, external part of a secant segment
- Tangent to a circle, point of tangency, tangent segment
- Common tangent (internal and external)
- Arc, semicircle, major arc, minor arc
- The measure of an arc
- Congruent arcs
- Inscribed angle
- Tangent-Chord angle
- Central angle
- Chord-Chord angle
- Secant-Secant angle
- Secant-Tangent angle
- Tangent-Tangent angle
- Tangent circles (internally and externally)

Postulates

- A tangent to a circle is perpendicular to the radius drawn to the point of tangency
- If a line is perpendicular to a radius at its outer endpoint, then it is tangent to the circle

Theorems

- Theorems 73 – 87

Problem Types

- Matching (for definitions)
- Finding the measures of arcs and angles related to circles
- Finding lengths of chords
- Common internal and external tangent problems
- Proofs