



What to know for the Chapter 10 Test

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)
- Inscribed and circumscribed polygons (and circles!)
- Circumference
- Arc Length

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 – 97

Mr. Baroody's Web Page



you are here > [Class Notes – Chapter 10 – Test Topics](#)

Problem Types

- Finding the measures of arcs and angles related to circles
- Finding lengths of chords
- Common internal and external tangent problems
- Finding the measure of angles and arcs related to polygons inscribed in and circumscribed about circles (including "walk-around" problems)
- Power Theorem problems
- Finding arc length
- Proofs (including proving the Power Theorems!)