

Chapter 10 Test Prep

1. Use the External Tangent Congruence Theorem to solve for unknown segment lengths
2. Use the Measure of an Inscribed Angle Theorem to find measures of inscribed angles and/or intercepted arcs
3. Apply the Segments of Chords Theorem
4. Apply the Tangent and Intersected Chord Theorem
5. Apply the Angles Inside the Circle Theorem
6. Apply the Angles Outside the Circle Theorem (all 3 cases)
7. Apply the Segments of Secants Theorem ($w_o = w_o$)
8. Apply the Segments and Tangents Theorem ($w_o = t^2$)
9. Use the Inscribed Quadrilateral Theorem to find measures of quadrilaterals inscribed in circles
10. Given the equation of a circle, determine the center and radius of the circle.
11. Apply the Equidistant Chords Theorem
12. Find lengths of internal and external tangent segments (similar to warm-up problems)
13. Determine whether a segment is a tangent segment to the circle
 - a. Converse of the Pyth. Thm.
14. Write equations of circles
 - a. Complete the square to get into standard form
15. Solve systems of equations using equations of circles