

Chapter 10 Test Prep

1. Given a diagram, find arc and/or angle measures
 - a. The measure of a minor arc is the same as its corresponding central angle
 - b. The measure of a major arc is the difference between 360° and its corresponding minor arc
 - c. Arc Addition Postulate
 - d. Measure of an Inscribed Angle Theorem
 - e. Inscribed Quadrilateral Theorem
 - f. Tangent and Intersected Chord Theorem
 - g. Angles Inside the Circle Theorem
 - h. Angles Outside the Circle Theorem (angle = $\frac{1}{2}$ (outer arc – inner arc))
2. Given a diagram, find segment lengths in circles
 - a. External Tangent Congruence Theorem
 - b. Segments of Chords Theorem
 - c. Segments of Secants Theorem ($w \cdot o = w \cdot o$)
 - d. Segments of Secants and Tangents Theorem ($w \cdot o = t^2$)
 - e. Perpendicular Chord Bisector Theorem and its Converse
3. Re-write the “expanded version” of a circle equation into standard form (complete the square)
4. Graph circles in the coordinate plane.
5. Given the graph, write the equation of the circle.
6. Given the center and a point on the circle, write the equation of the circle.