

Unit 10: Segment Lengths in Circles	~March 10-March 20 (last lesson taught right before the shutdown)	
Standards: G.11 The student will solve problems, including practical problems, by applying properties of circles. This will include determining b.) lengths of segments formed by intersecting chords, secants, and/or tangents; G.12 The student will solve problems involving equations of circles.		
Topic	I can...	Resources
Equations of Circles	<ul style="list-style-type: none"> ✓ find the coordinates of the center of circle ✓ find the length of the radius or diameter ✓ write an equation of a circle ✓ determine if a point is on a circle. 	From Khan Academy https://www.khanacademy.org/math/geometry/hs-geo-circles/hs-geo-circle-standard-equation/v/radius-and-center-for-a-circle-equation-in-standard-form
Tangents	<ul style="list-style-type: none"> ✓ use chords to find the lengths of segments. ✓ use secants (with other secants and tangents) to find the lengths of segments. 	https://www.khanacademy.org/math/geometry/hs-geo-circles#hs-geo-tangents From Math Open Ref https://www.mathopenref.com/coordgeneralcircle.html https://www.mathopenref.com/tangentline.html
Chords and secants	<ul style="list-style-type: none"> ✓ use tangents to find missing angle measures. ✓ use tangents to find the length of a radius. ✓ determine whether a segment is tangent to a circle. 	From OPHS https://www.youtube.com/watch?v=NcHczFmDMFQ&t=6s Sample Assessment/Review with Solutions Unit 10 Review.pdf Unit 10 Review Solutions.pdf