
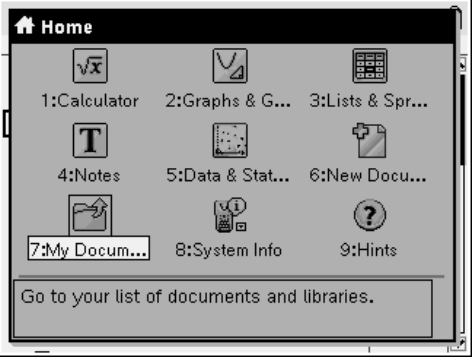

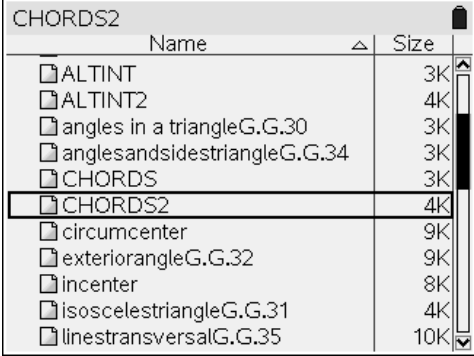

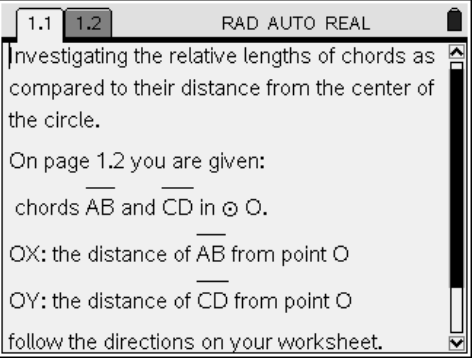

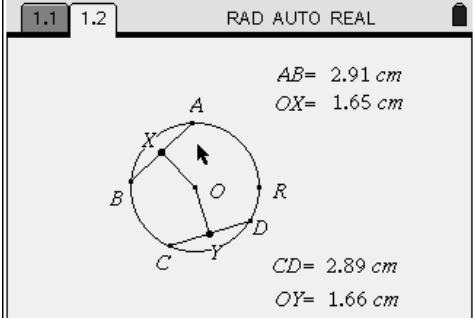


TI-Nspire Student Worksheet for G.G. 49 **the relative lengths of chords as compared to their distance from the center of the circle**

<p>After turning on your handheld press </p> 	<p>Select My documents </p> <p>Open Folder Geometry NY</p> <p>Select CHORDS2</p> 
<p></p> 	<p></p> 

- 1.) Select, grab and drag point A or point B. What happens to the length of OX as the length of AB increases?

- 2.) Select, grab and drag point A or point B. What happens to the length of OX as the length of AB decreases?

- 3.) Select, grab and drag point C or point D. What happens to the length of OY as the length of CD increases?

4.) Select, grab and drag point C or point D. What happens to the length of OY as the length of CD decreases?

5.) In circle O chords PQ and RS are drawn and chord PQ is closer to point O than chord RS. What can you conclude about the lengths of O chord PQ and chord RS?

6.) What is the longest chord in a circle? _____

7.) How far from the center is the longest chord you can draw in a circle?
