GEOMETRY AT ITS BEST



"The Magic of Central Angles"

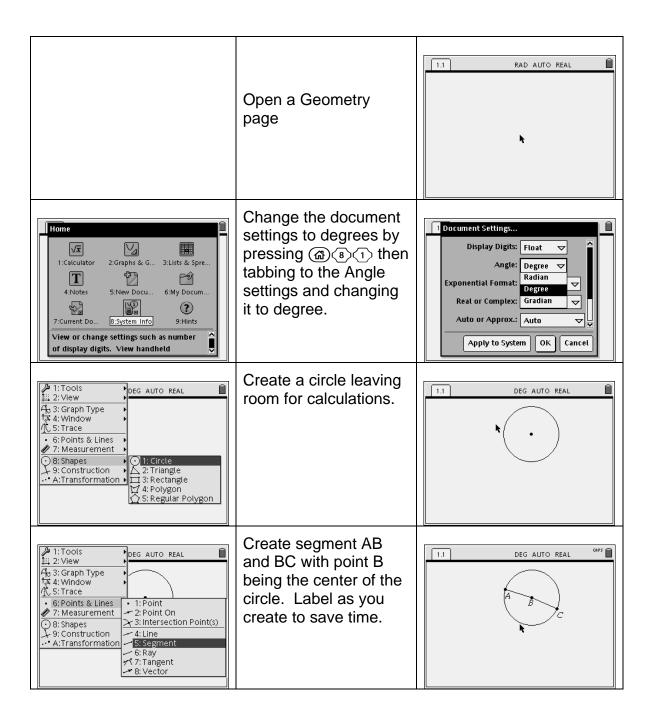
Created by Michelle Bonds

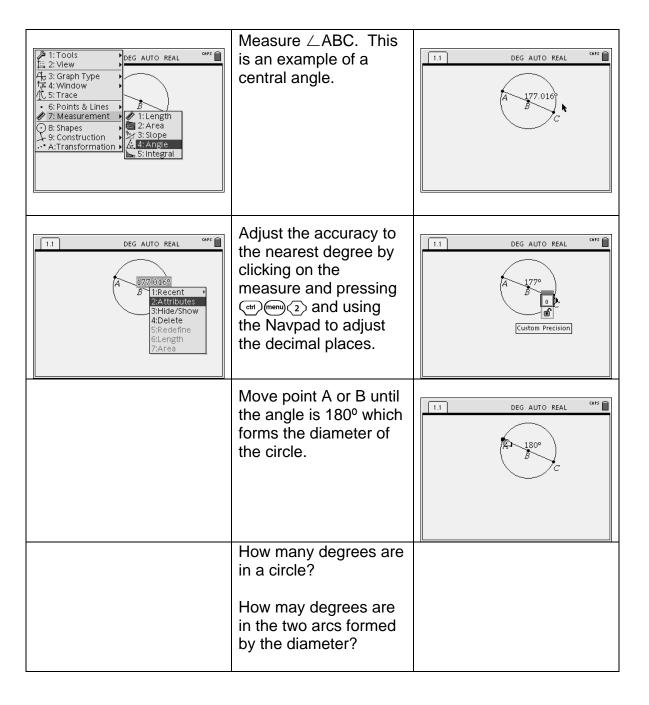
Table of Contents:

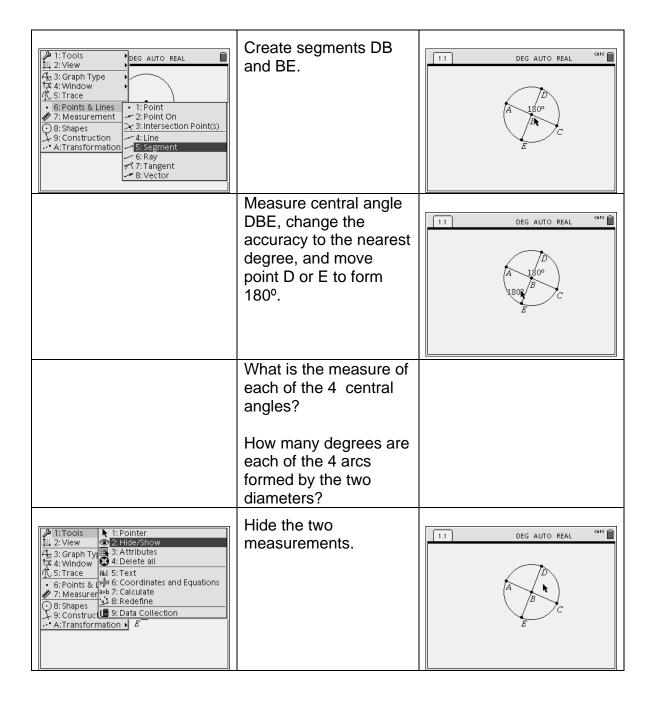
Construction	3
Investigation	4

This activity allows students to investigate the relationship between central angles and the arcs they intercept.

Not responsible for misspelled words, mathematical mistakes, or anything else you might not like.







## 1: Tools ## 2: View ## 3: Graph Type ## 4: Window ## 5: Trace ## 6: Points & Lines ## 7: Measurement ## 3: Rapes ## 9: Construction ## 4: Virial Provided From Point (s) ## 5: Segment ## 6: Ray ## 7: Tangent ## 8: Vector	Create diameters FG and HI. Check for 180 degrees but don't set the measurements. Adjust the points until the angles are 180 degrees.	DEG AUTO REAL A B C B C C C C C C C C C C
	What do you think will be the measure of each of the central angles? the degree of each arc? What fraction of the circle is each arc?	
	Create a new Geometry page. Then construct a circle and two diameters.	1.1 1.2 DEG AUTO REAL
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If each of the arcs is ¼ of the circle, what will there measures be?	
How does this compare to the central angles that intercept them?	
Make a conjecture about central angles and the arcs they intercept.	

Notes:	

