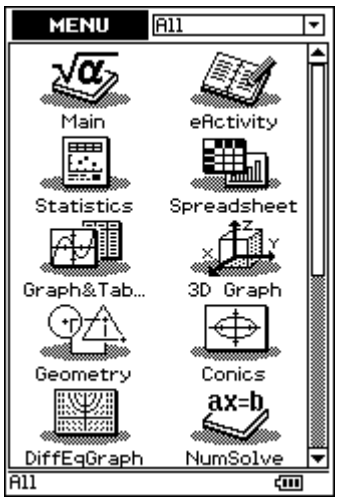
Tap Menu.

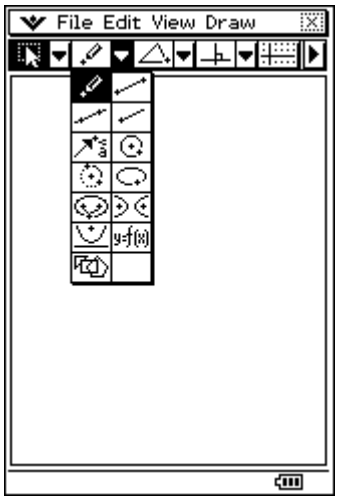
Tap Geometry.

Tap **File**, tap **New**, tap **OK**.



Draw a circle by tapping and then tapping in two different places in the Geometry window.

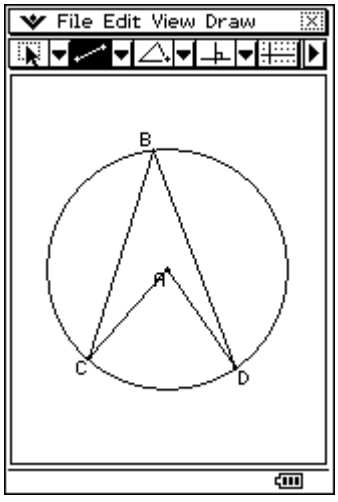
Tap **View**, tap **Zoom to Fit**.



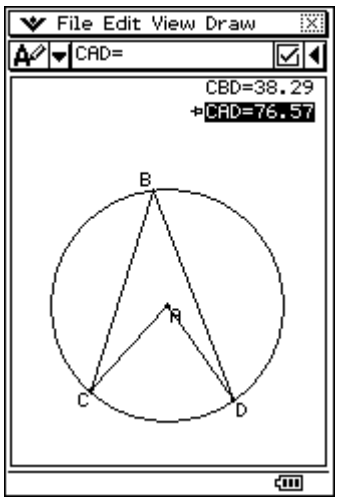
Tap . Draw radii AC and AD; draw line segments BC and BD such that ∠CBD is subtended at the circumference by arc CD in the same segment as ∠CAD.

Tap .

Tap .



Display the size of ∠CBD by tapping BC and BD.



Tap on the size of ∠CBD and drag it into the Geometry window.

Name this angle CBD by tapping  and using the  tab on the keyboard to type CBD, press =. Press **EXE**.

Tap in space.

Display the size of ∠CAD by tapping AC and AD.

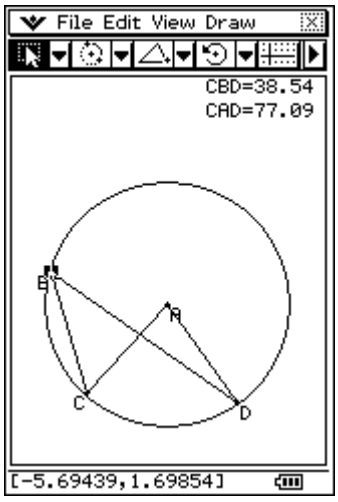
Tap on the size of ∠CAD and drag it into the Geometry window.

Name this angle CAD by tapping  and using the  tab on the keyboard to type CAD, press =. Press **EXE**.

Tap in space.

Hide the keyboard.

Observe the size of angles ∠CAD and ∠CBD when points B, C and D respectively move on the circle by:



Tap B. Tap B a second time and drag it around the circumference such that ∠CAD and ∠CBD both remain in the same segment.

Tap in space.

Tap C. Tap C a second time and drag it around the circumference such that ∠CAD and ∠CBD both remain in the same segment.

Tap in space.

Tap D. Tap D a second time and drag it around the circumference such that ∠CAD and ∠CBD both remain in the same segment.

Tap **File**, tap **Save** and name the file.

You may wish to enhance this activity using expressions. An example of how to do this is described in the advanced section of this site in the cyclic quadrilaterals activity.