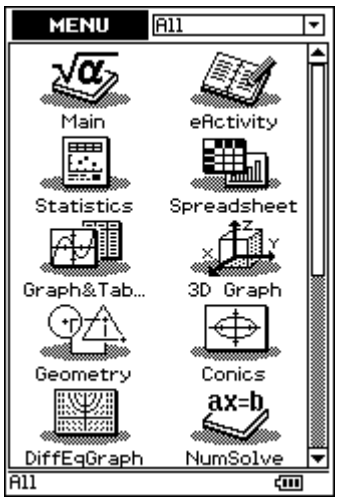
Tap Menu.

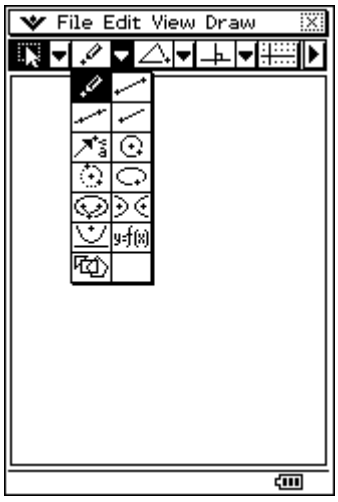
Tap Geometry.

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



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

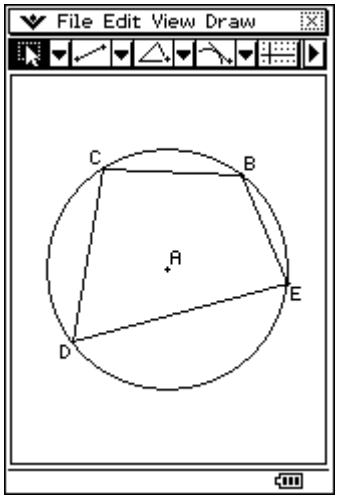
Tap **View**, tap **Zoom to Fit**.



Tap . Draw (cyclic) quadrilateral BCDE such that vertices B, C, D and E are all points on the circle.

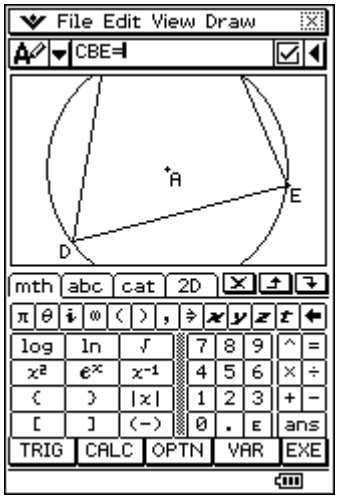
Tap .

Tap .



Display the size of ∠CBE by tapping BC and BE.

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



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

Tap in space.

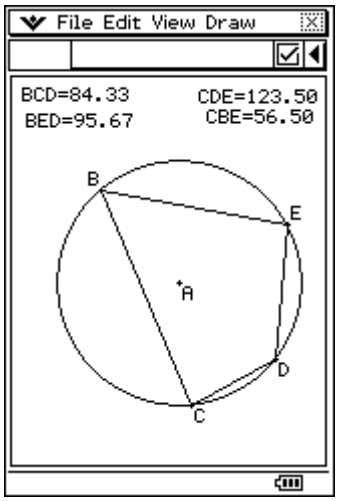
Display the size of ∠CDE by tapping DC and DE.

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

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

Tap in space.

In a similar manner, display the size of ∠BCD and ∠BED.



Observe the size of these two pairs of opposite angles in the cyclic quadrilateral BCDE, as the vertices B, C, D and E are moved around the circle.

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

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