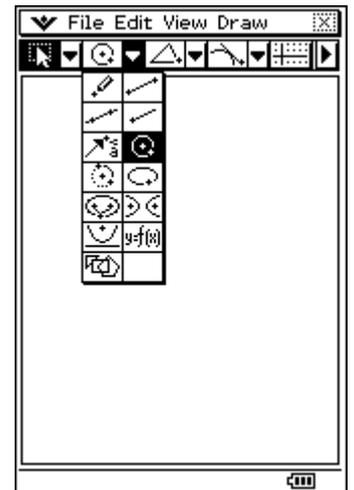


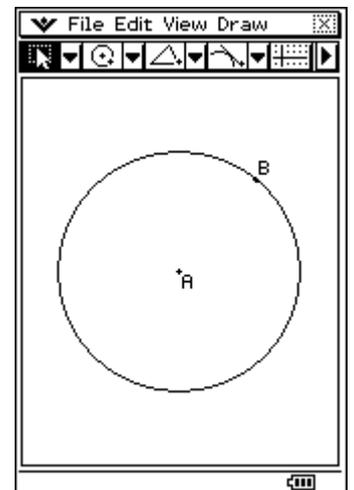
Menu

Tap .

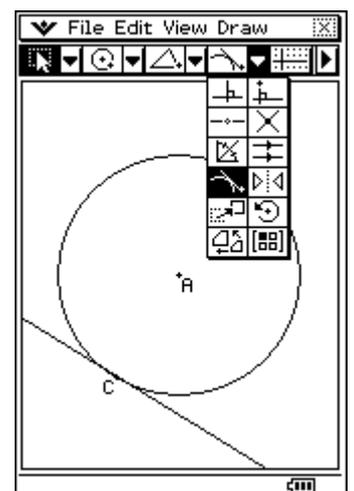
Geometry

Tap .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**.

Draw a tangent to the circle by tapping  and then tap any point on the bottom left of circumference.

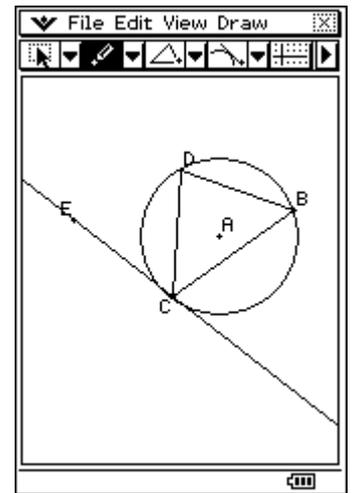


Tap . Draw $\triangle CDB$, whose vertices lie on the circle and C is the point where the line is tangential to the circle. $\angle DBC$ is the angle subtended in the alternate segment to $\angle DCE$.

Use  to create E, a point on the tangent line.

Tap .

Tap .



Display the size of $\angle DCE$ by tapping CD and CE.

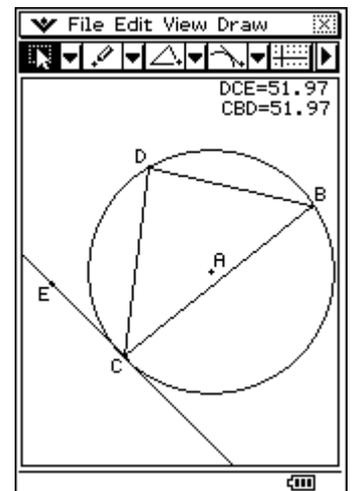
Tap on the size of $\angle DCE$ and drag it into the Geometry window.

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

Tap in space.

Display the size of $\angle CBD$ by tapping BC and CD.

Tap on the size of $\angle CBD$ 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.

Hide the keyboard.

Observe the size of angles $\angle DCE$ and $\angle CBD$ when points B and D respectively move on the circle by:

Tap B. Tap B a second time and drag it around the circumference such that $\angle DCE$ and $\angle CBD$ remain in alternate segments.

Tap in space.

Tap D. Tap D a second time and drag it around the circumference such that $\angle DCE$ and $\angle CBD$ remain in alternate segments.

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

