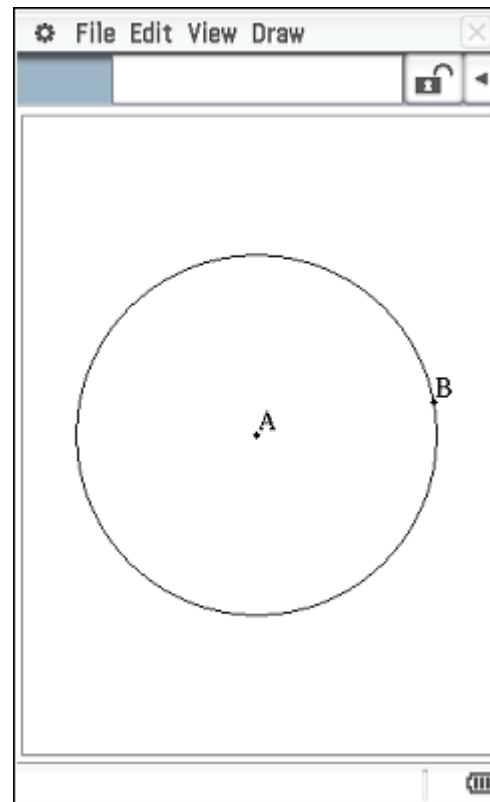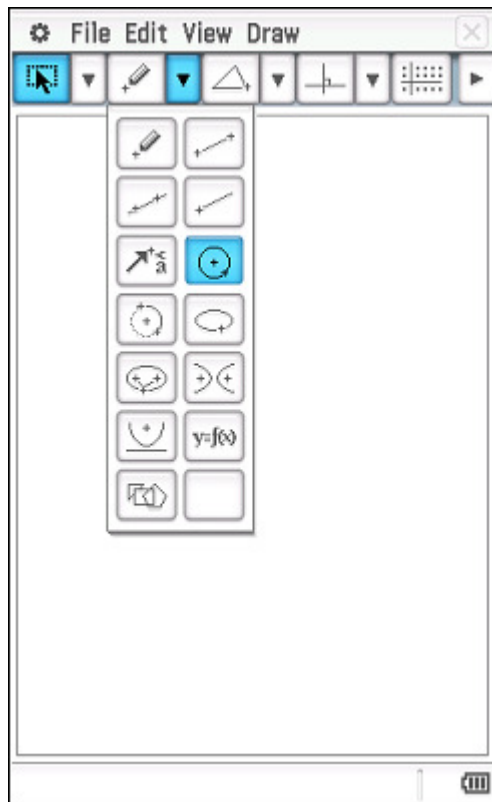| ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP742	**Angles in the Alternate Segment**		Date	April 2015
			CPII OS	02.00.2000.0000

Start a new file in Geometry.

Select the circle tool.

To create a circle, tap once on the screen for the circle centre and then tap again for a point on the circumference.
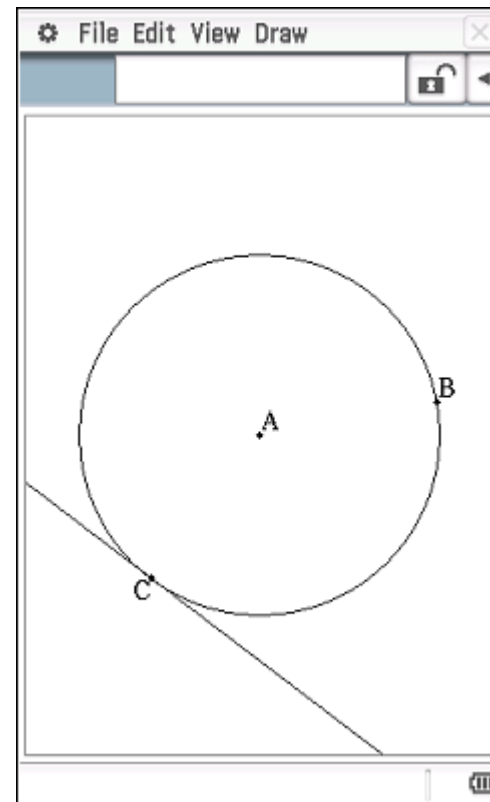
Tap **View**, tap **Zoom to Fit**.

Draw a tangent to the circle:
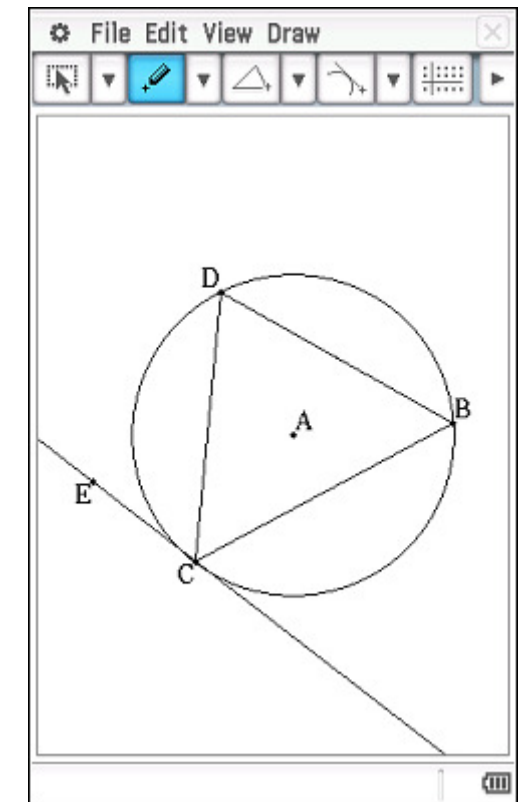
Tap Draw, Construct, Tangent to Curve.

Now tap any point on the bottom left of circumference.

Construct ΔCDB, whose vertices lie on the circle and C is the point where the line is tangential to the circle.

Add point E to the tangent.

∠DBC is the angle subtended in the alternate segment to ∠DCE.

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Display the sizes of ∠DCE and ∠DBC.

Observe the size of angles ∠DCE and ∠DBC when point D is moved around the circumference of the circle.