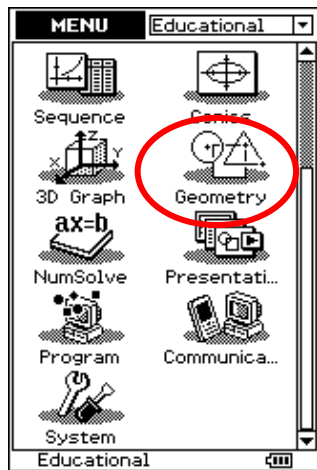


Geometrical construction and loci on the ClassPad 330A+.

This resource was written by Derek Smith with the support of CASIO New Zealand. It may be freely distributed but remains the intellectual property of the author and CASIO.

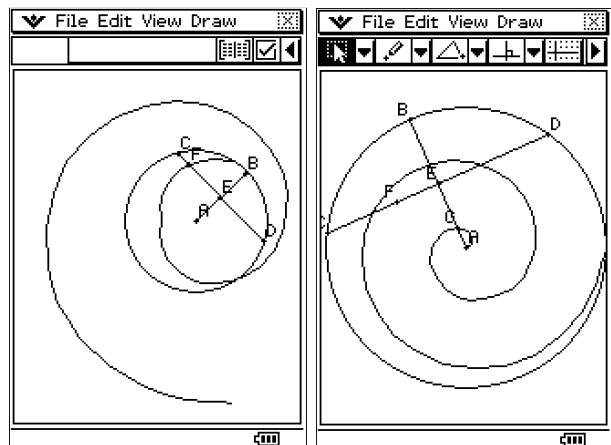
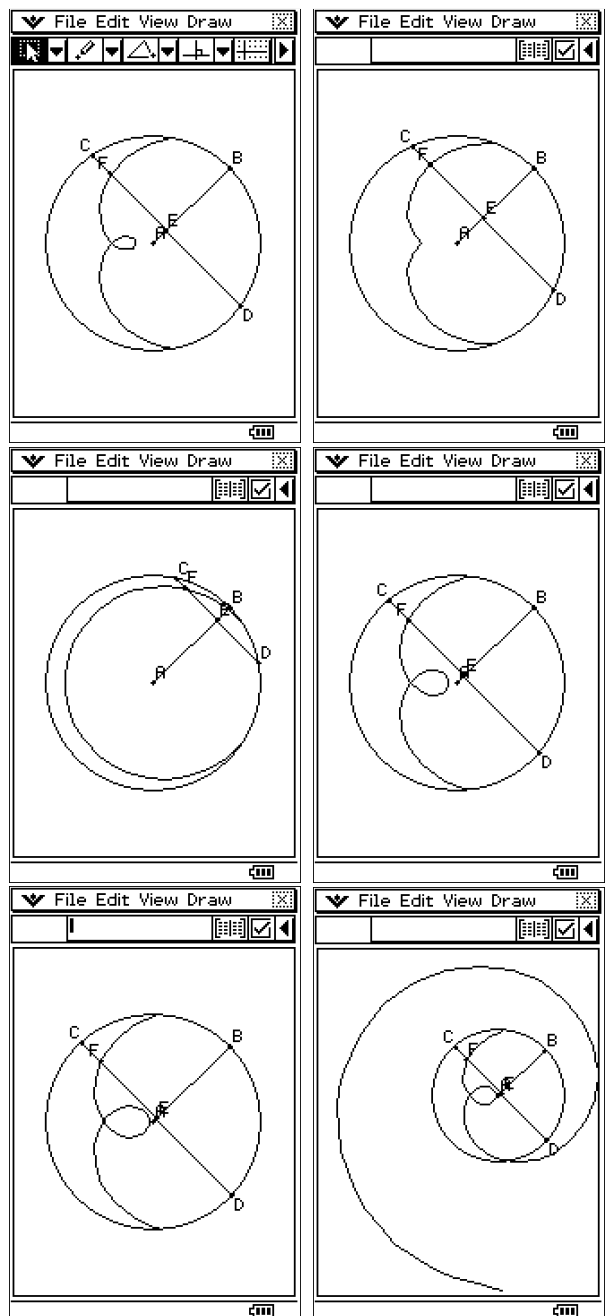
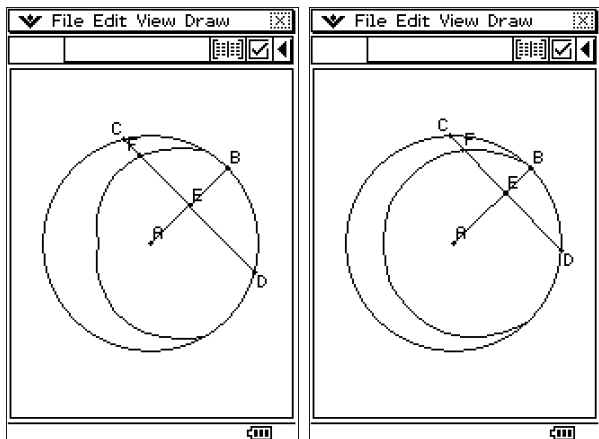
From the Main Menu...enter the **Geometry** icon.



Make sure you have a 'clean' working area by clearing previous geometrical work or saving your work.

- Construct a circle of radius 4 units.
- Draw a line segment **AB** that will represent the radius of this circle.
- Construct a chord **CD**.
- Construct the perpendicular bisector of the line segment **AB**.
- Place a point, **E**, at the intersection of the radius and the constructed perpendicular bisector.
- Delete the perpendicular bisector.
- Place a point, **F**, on the chord **CD**.
- Fix the distance of **AE** to 2 units by placing a tick in the box
- Animate the point **B** on the circumference of the circle.
- Animate the point **F** on the chord **CD**.
- Run the Animation.
- Tap on point **F** to highlight this point.
- Open **Animation** and select 'Trace' then run the Animation again.

Fix the distance of **AE** to different lengths each time you run the animation, by removing the tick the box, change the length and the placing a tick in the box again, the run the **Animation**.



Changing the constraints on the tracing of the point **F** to 2 in **Edit Animations**. Enjoy!

For further tips, more helpful information and software support visit our websites

www.monacocorp.co.nz/casio or <http://graphic-technologies.co.nz>