Activity 17   Opposite angles in a cyclic quadrilateral
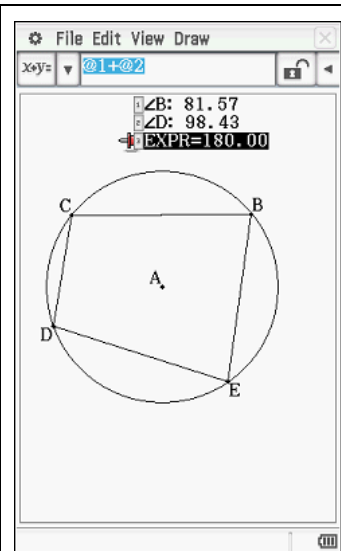
Aim: Verify and prove opposite angles in a cyclic quadrilateral are supplementary.

Draw diagram
- Select [File | New]
- Draw a circle
- Draw four line segments in the circle to form a cyclic quadrilateral
- Tap ▶ to go round the corner
- Add measure of an angle to the diagram
- Add measure of the opposite angle to the diagram

Add expression to sum the angles
- Select [Draw | Expression]
- Tap on the 1 next to the first angle
- Press +
- Tap on the 2 next to the second angle
- Tap 🔓 to add the calculation

1.   Drag the points around the circle. What do you notice?

2.   Prove that ∠ABC +∠ADC =180°