

- 1 Use the protractor on Maths-Pro or Geo-Pro to draw a circle. Mark the centre of the circle.
- 2 Draw a quadrilateral around the circle so each side of the quadrilateral is a tangent to the circle.
- 3 Draw the two diagonals of the quadrilateral (shown as dashed lines in the diagram).
- 4 Mark the mid-point of each diagonal.
- 5 Join the mid-points of the diagonals with a line segment.
- 6 Does this segment pass through the centre of the circle? Is this always the case? Test for other quadrilaterals whose sides are tangential to a circle.

