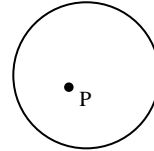
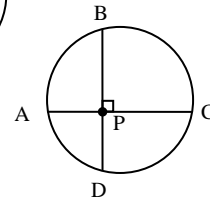


1 Use Maths-Pro or Geo-Pro to draw a large circle.

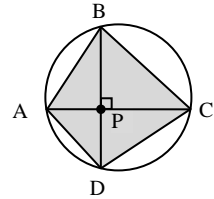
2 Draw any point (P) inside the circle (preferably not at the centre).



2 Draw two perpendicular lines through P until each intersects the circumference of the circle. Call these intersections A, B, C and D.

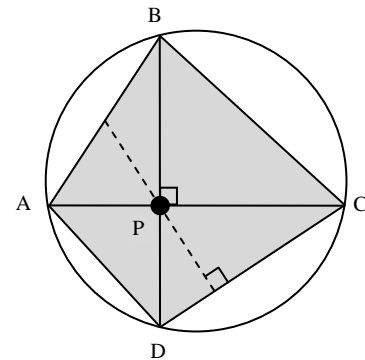


3 Join A, B, C and D to form a cyclic quadrilateral whose diagonals are perpendicular.



4 Draw any line segment through P that is perpendicular to one of the sides of the quadrilateral (e.g. DC in the diagram below).

5 Does this last segment bisect the opposite side of the quadrilateral (AB in the diagram below)?



6 Try this procedure starting with a different point and perpendicular segments. You may wish to use the circles below.

