Using Autograph – Tangents

 Open Autograph in Standard Level.

 Edit Axes and remove the axes, grid and key (under “Options” tab).

 Click the 0.1 Snap Settings.

 Draw a point in roughly the middle of the page.

 Select the point and right click to add a “Circle (Radius)…”. In the dialogue box give it a radius of 2.5.

 Add a point on the circumference of the circle.

 Join point A to the centre O by selecting the points, right clicking and choosing “Line Segment”.

 Select point A and right click. Select “Tangent” from the drop down menu.

 Add a point on the tangent.

 Select points O, A, C in that order and right click. Select “Angle…” from the drop down menu, and choose OK on the dialogue box that appears.

Repeat until you can complete the box.

Write ***in your own words*** about the connection between the radius of a circle and the tangent.