**Sequence 5**

You need a new file with a new name and a new diagram for this.

Draw a triangle ABC and choose a point P anywhere you like. Drop perpendiculars from P to the three sides and label the points in the sides (or the extended sides) where the perpendiculars meet the sidesof ABC. These form a triangle called the **pedal triangle** of P and triangle ABC. (‘pedal’ means ‘foot’). If your pedal triangle is a straight line – I know where you are!!! (But move it to somewhere else for now)

Tidy up by hiding unnecessary lines: the pedal triangle of the pedal triangle of a pedal triangle of P and ABC is ……… what? Moving point P around might give you some insight.