**Sequence 2**

On the same diagram as sequence 1.

Construct the **medial circle** of ABC**:** the circle that goes through the mid-pts of the sides. You may need the construction lines and the circumcentre later on so use the method given at the start of this work. The mid-points would be the vertices of a triangle for which the medial circle is the circumcircle, so the mid-pts give you three chords of the medial circle.

Label the centre of the medial circle N.

Hide the construction lines because some of them will get in the way of the next bit, but some of them could be helpful (DO NOT DELETE or you will lose some of your work).

How does the medial circle of ABC relate to the medial circles of the other three triangles HAB, HAC, HBC? If you are going to draw all these you might want to un-hide and re-use some of your previous construction lines.

Convince?