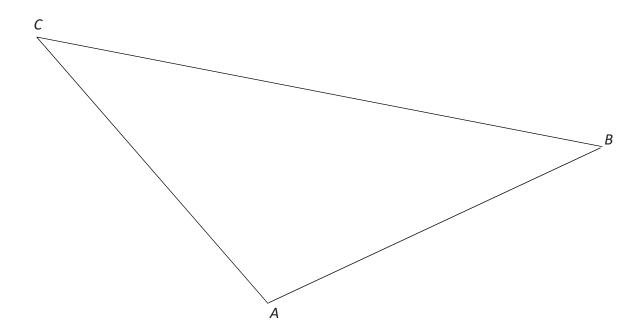
Question 5 (25 marks)

(a) Construct and **label** the orthocentre of the triangle *ABC* in the diagram below. Show any construction lines or arcs clearly.



In the diagram below O is the centre of circle s. [AB] is a diameter of s.

BE is a tangent to s at point B.

[CD] is a chord of circle s.

 $|CD| = \frac{1}{2}|AB|$ and CD is parallel to AB. Find, with justification, $|\angle BEA|$.

