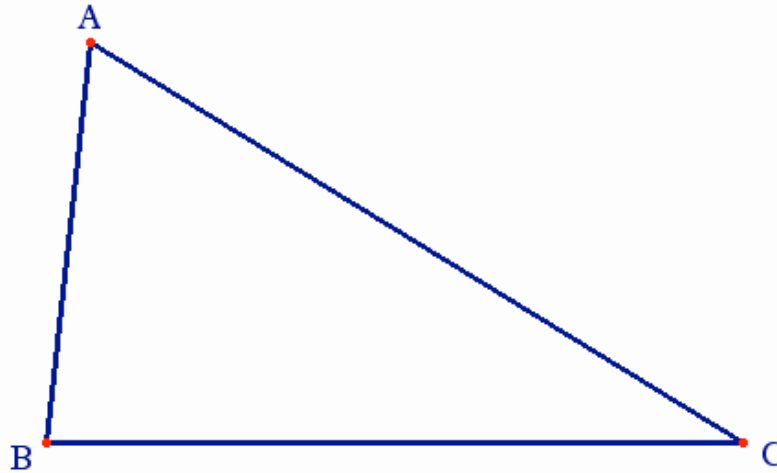


Problem 1 : use a compass and a ruler to carefully build the circle circumscribed to this triangle (*show the construction lines and explain your construction*).



Problem 2 : given the triangle ABC, let H be the interception of its heights. Prove carefully (*on back of the page*) that the interception D of AH with the circle circumscribed to the triangle ABC is symmetrical to H with respect to (BC). (*prove that $IH = ID$*).

