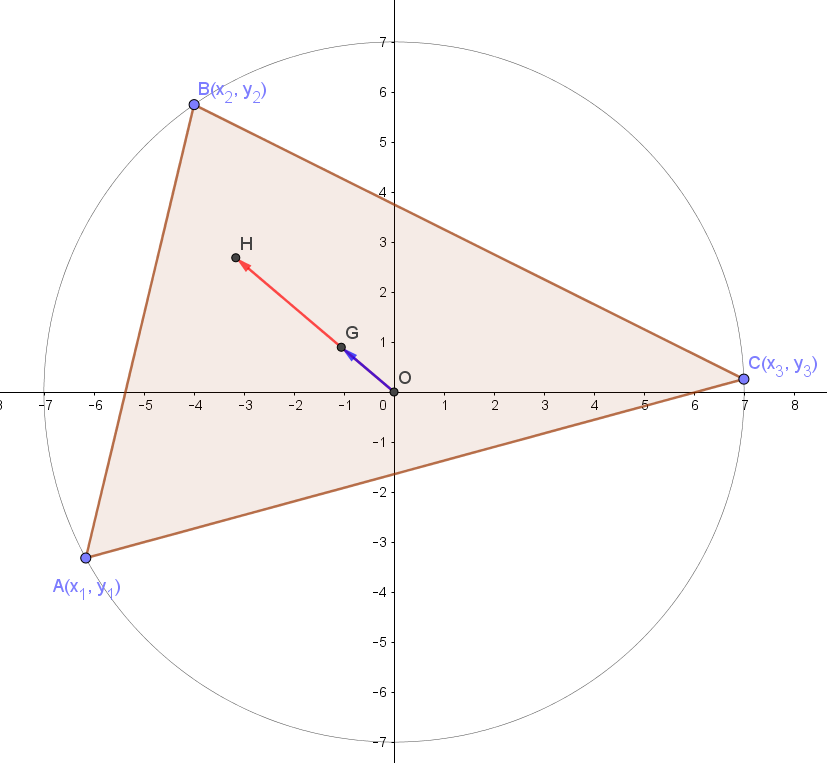
 NESA exemplar question solution

The circumcentre of a triangle is the centre of the circle that passes through each of the vertices. The centroid is the point of intersection of the angle bisectors of a triangle. Let be the circumcentre and the centroid of . is the point of such that . Prove that .



[www.geogebra.org/m/byvcmtvd](file:///C:/Users/dproctor2/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/RFXZX7ZT/www.geogebra.org/m/byvcmtvd)

Centroid and

and

Test

LHS

[ (radii of circle)]

RHS

Therefore is perpendicular to