Instructor: Nándor Sieben
e-mail: nandor.sieben@nau.edu
http://jan.ucc.nau.edu/∼ns46/365/365.html
Office: AMB 175, Phone: 523-6874
Hours: MWF 11:20 – 12:20 MW 1:40 – 2:40

1. Let E, F and G be the points where the inscribed circle of $\triangle ABC$ touches sides a, b and c respectively. Show that AE, BF and CG are concurrent. The common point is called the Gergonne point.

2. Show that the reflection H'_a of the orthocenter H of $\triangle ABC$ with respect to side a lies on the circumcirle.