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. Show that in $\triangle ABC$ we have $\dfrac{1}{h_a}+\dfrac{1}{h_b}+\dfrac{1}{h_c}=\dfrac{1}{r}$.

2. Let P be a point inside the regular $\triangle ABC$. Show that if x, y, z are the distances of P from a, b and c respectively then $x+y+z=h$ where h is the height of the triangle.