

PROBLEM OF THE WEEK 11

Due Wednesday, November 27 at 5:00 pm

Question. A quadratic equation $x^2 + ax + b + 1 = 0$ with integers a and b has roots which are positive integers. Prove that $a^2 + b^2$ is not a prime number.

- All answers should be clearly explained. Submit it to the Math/Stat Office, AMB 107.
- If your instructor gives you credit for POTW, write his/her name with the class number.
- Contact Bahattin Yildiz with questions: bahattin.yildiz@nau.edu (AMB 134)