

PROBLEM OF THE WEEK 2

Due Wednesday, September 19 at 5:00 pm

Question. How many ordered triples (a, b, n) of positive integers would satisfy the equation $a^2 + b^4 = 5^n$?

- 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)