

1014-H1-205

Teresa D Magnus*, Department of Mathematics and Computer Sci, Rivier College, 420 S. Main St., Nashua, NH 03060. *Using Peer Review to Improve Students' Proof Writing.*

Writing proofs requires both mathematical accuracy and professional writing style. In addition to the large number of proofs math and math education majors write in their routine homework assignments, I assign one major multi-step proof to be formally written and rewritten. The students rewrite the proof after my initial assessment and then spend part of a class in small groups assessing each other's writing. A final version is then written and submitted for a grade. Students develop an appreciation for the diversity of styles, they recognize the need for clarity and precision in communication, and they take pride in the final product. The assignment forces them to pay attention to the conventions of writing mathematics and has a positive impact on their later work. (Received August 19, 2005)