

1086-D1-2549 **Jeremy Case*** (jrcase@taylor.edu), 236 W Reade Ave, Upland, IN 46989. *Interactions with the Writing Center*. Preliminary report.

Many institutions have writing centers which are intended to help students with compositions, research papers, and general academic writing. One common service of a writing center is the availability of peer writing consultants. Can consultants help juniors in a mathematics seminar course write their major mathematical paper even if the consultants are not mathematics majors? Alternatively, one successful approach in developing mathematical skills is the use of perfect proofs. Used in an Introduction to Proofs course or Abstract Algebra, perfect proofs require students to resubmit a proof until the proof is correct in both argument and style. Do mathematical students then connect their mathematical development to other areas of writing? This presentation will report on a study with the writing center examining the effectiveness of various writing strategies from the perspective of the students. We will examine the changes in student perceptions and attitudes of their abilities in mathematical writing and whether or not they are able to transfer their mathematical skills and thinking to other areas. (Received September 25, 2012)