Jean M Horn* (hornj@member.ams.org), Jean M. Horn, 11962 Dolly Madison Circle, Woodbridge, VA 22192-1302, and Toni T Robertson. Can You Understand Me Now?

Mathematics as Another Language.

Getting undergraduate students to 'read, write and intelligently discuss' mathematics is a challenge at all levels from developmental math to calculus. Dealing with 'English as a Second Language' students in these classes presents an additional classroom challenge to the instructor. In order to help all students, especially the ESL students, we have all students make written and oral presentations in class. We have successfully incorporated the following ideas to help students into our classrooms. Students make up, solve, and present their own word problems to the class. Both developmental and transfer students are asked to explain 'how to' examine a function for certain characteristics, for example, to explain how to find the zeros of a function and what the relationship of the zeros is to the graph of a particular function. We also have them explain 'how to' solve different types of problems. Students have been asked to research, write, and present a paper to the class on an instructor approved topic from the history of mathematics as well. A selection of instructional assignments and student responses is included. (Received September 14, 2006)