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David O. Lomen* (lomen@math.arizona.edu), Mathematics Department, University of Arizona, Tucson, AZ 85721, and **Maria K. Robinson**. *ConcepTests in College Algebra and Trigonometry*.

ConcepTests were developed by Eric Mazur as a method of improving student learning in physics classes. Their use has been extended to other areas of science, and is becoming more popular in mathematics courses. We will give examples and results of their use in university courses in College Algebra and Trigonometry.

Our ConcepTests are usually conceptual, multiple choice questions, but we use some True/False and free response questions as well. ConcepTests are used as an aid in promoting student involvement in discussing mathematical concepts and providing instant feedback to the instructor as to class understanding. The instructor does not have to wait for a quiz or exam to discover what students do or do not know. While several types of technology can be used to obtain student responses, technology is not necessary for successful use of ConcepTests. (Received September 17, 2005)