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Online Homework in Intermediate Algebra. Preliminary report.

This study compares student outcomes in several sections of an intermediate algebra course offered at Marymount University. Students in the experimental sections complete all homework online using the MyMathLab and Math XL software. The problems are graded immediately and the students are given the opportunity to get hints and to try the problem more than one time. Students in the control sections complete homework in a traditional fashion using paper and pencil. The homework is graded by the instructor and feedback is received by the students during the next class meeting. We attempt to determine if there is a significant difference in student outcomes between the experimental and control sections of the course. (Received September 22, 2005)