

1077-C5-2673

Jessica Deshler* (deshler@math.wvu.edu), **Edgar Fuller** (ef@math.wvu.edu), **Betsy Kuhn** (bkuhn@math.wvu.edu), **Doug Squire** (dsquire@math.wvu.edu) and **Vicki Sealey** (sealey@math.wvu.edu). *An evaluation of the success of students who transition from a developmental Math Workshop into College Algebra, Trigonometry and Calculus I.* Preliminary report.

Students at WVU are placed into mathematics classes by the scores they receive on the MAA placement test published by Maplesoft through their MapleTA system. We test approximately 5000 students each summer and of these, approximately 30% are placed into a pre-college algebra workshop that provides remediation in core mathematical areas needed for success in university level mathematics courses including arithmetic and basic algebra. Students who complete the Math Workshop continue into college algebra, trigonometry and calculus. The workshop provides a self-paced review of arithmetic and algebra using the MyLabsPlus system and content from the Martin-Gay Beginning and Intermediate Algebra text. Students pass the Math Workshop by completing homework sets and passing mastery exams. Our data has shown that students who complete the Math Workshop are twice as likely to pass college algebra within their entering population. Moreover, students who enter college algebra based on placement alone with no remediation are 4 times more likely to withdraw than those who have completed the Math Workshop. Additional success rate data will be presented for students who then progress to trigonometry and calculus. (Received September 22, 2011)