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Student Academic Achievement Committee (SAAC) EZ

Title for this Assessment	Common Final Results
Short Description	
Courses or Programs	MAT121 MAT091/092 MAT151
Semester of Assessment	Fall 2009
Last Action	Monday, June 20, 2011
Start Date	Monday, July 19, 2010

Fall 2009**What outcomes will be assessed?**

The following are the course competencies expected for each course: MAT091/092 - solving and graphing linear equations, solving systems of equations, and expanding binomial expressions MAT121 - domain of a function, solving for a function, analyzing quadratic equations/expressions including applications, simplifying radical and rational expressions MAT151 - using a graphing calculator to determine minimum/maximum and increasing/decreasing of a polynomial, finding asymptotes, transformations, properties of polynomials, and solving logarithms

Assessment Tool - What instrument will be used for the assessment?

Starting in Fall 2007, the math faculty decided to administer common questions to MAT091/092, MAT121 and MAT151. These common questions were created to 1) Make sure all instructors are covering the course competencies and 2) To determine if the instructors need to improve lessons covering specific topics such as word problems. A multiple choice exam is given to all students to include with the individual instructor's written final exam. The number of points given for each question is determined by each instructor. However, the questions are multiple choice, so it is all or nothing. The answers were developed to indicate mistakes students commonly make. That is, when these answers are chosen it is clear to the instructor the type of mistake the student made assuming no guessing occurred. For example, students commonly factor $(x-2)^2 = x^2-4$. The correct answer is actually $x^2-4x + 4$. These multiple choice exams are then given to OPIE to run the data for the exams.

Assessment Tool Supplement**Data**

Please see the attached document created by OPIE.

Data Supplement

[30-Math Common Final Summary Report Fall 2009 R2542.pdf](#)

Analysis: How did they do?

Analysis Supplement

Team discussion/Improvement plans (if needed)

[Emergency Preparedness](#)

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