

**Math Program SLO's
Academic Year 2008-2009**

I	II	III	IV	V
Expanded Statement of Institutional Purpose	Program Student Learning Outcome	Assessment Method and Criteria for Success	Assessment Results	Use of Results
<p>The mission of the Math Department is:</p> <p>a) To provide classes that allow students to bring their basic math skills to the level required for the Associate Degree, vocational programs, and/or transfer.</p> <p>Saddleback College goal most relevant: Saddleback College goal A.1.2.1 (Provide educational programs leading to the Associate in Arts and Associate in Science Degrees.)</p>	<p>1. Students in Math 351, Math 251, and Math 253 will demonstrate computational skills by solving an equation whose difficulty level is appropriate to the class in which they are enrolled.</p>	<p>Students will be asked to solve an equation on an embedded test question. Students earning at least 70% of the available credit on the problem will be deemed successful. Rather than set an arbitrary goal for our success rate, we will use the results of this year's assessment to set meaningful goals for future assessments.</p>	<p>The student success rate for this SLO was 70.7%</p>	<p>As a department, we were pleased with these results. We will reassess this SLO in the academic year 2009-2010.</p>

I Expanded Statement of Institutional Purpose	II Program Student Learning Outcome	III Assessment Method and Criteria for Success	IV Assessment Results	V Use of Results
<p>b) To provide classes that give students the math skills necessary for upper-division work in math and math-related fields.</p> <p>Saddleback College goal most relevant: Saddleback College goal A.1.2.2 (Provide a comprehensive, broad range of high quality courses and programs to enable students to pursue their educational objectives and career goals.)</p>	<p>Students in our Business Calculus sequence (Math 8 and Math 11) will demonstrate computational skills appropriate to the level of the class in which they are enrolled .</p>	<p>The department will use embedded test questions. Students earning at least 70% of the available credit on a problem will be deemed successful on that problem. Rather than set an arbitrary goal for our success rate, we will use the results of this year's assessment to set meaningful goals for future assessments.</p>	<p>The student success rate for this SLO was 74.0%.</p>	<p>As a department, we were pleased with these results. We will reassess this SLO in the academic year 2009-2010.</p>

I Expanded Statement of Institutional Purpose	II Program Student Learning Outcome	III Assessment Method and Criteria for Success	IV Assessment Results	V Use of Results
	<p>Students in our Calculus sequence (Math 124, Math 2, Math 3a, and Math 3b) will demonstrate computational skills appropriate to the level of the class in which they are enrolled.</p>	<p>The department will use embedded test questions. Students earning at least 70% of the available credit on a problem will be deemed successful on that problem. Rather than set an arbitrary goal for our success rate, we will use the results of this year's assessment to set meaningful goals for future assessments.</p>	<p>The student success rate for this SLO was 53.2%.</p>	<p>As a department, we were concerned with these results. However, we discovered that there were some problems in our assessment of two of the relevant classes: Math 124 and Math 3b. (See our course SLO'S for a more detailed explanation.) Both these courses had low success rates, bringing the success rate for this program SLO down significantly. We revised our assessment method for these two courses and will reassess this program SLO in the academic year 2009-2010.</p>