



#1	<p>Developmental Mathematics Student Learning Outcome</p> <ul style="list-style-type: none">The student will solve and graph linear equations, inequalities, and systems.
	<p>Course in the degree plan that address this outcome</p> <ul style="list-style-type: none">Math 0303, Intermediate Algebra (The capstone course in the Developmental Mathematics sequence at Palo Alto College)
	<p>Assessment Measure for this Outcome</p> <ul style="list-style-type: none">Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2010 final are #7, #11, and #12.)
	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none">The students will master 60% of the assessment questions.
	<p>Findings:</p> <ul style="list-style-type: none">The students attained an 65.7% mastery on question #7.The students attained an 69.1% mastery on question #11.The students attained an 70.4% mastery on question #12.Overall, on questions 7,11, and 12, the students attained a mastery level of 68%
	<p>Related Action Plans</p> <ul style="list-style-type: none">The Mathematics department will create test item blue prints for the Math 0303 final exam along with detailed rubrics for the questions on the exam.The students exceeded our target mastery level by 8%. Mathematics faculty will be informed of this result and encouraged to continue emphasis of this student learning outcome throughout the developmental sequence of courses.
#2	<p>Developmental Mathematics Student Learning Outcome</p> <p>The student will solve algebraic equations involving linear rational expressions, absolute value, radicals, or quadratics.</p>
	<p>Course in the degree plan that address this outcome</p> <ul style="list-style-type: none">Math 0303, Intermediate Algebra (The capstone course in the Developmental



PALO ALTO COLLEGE

	Mathematics sequence at Palo Alto College)
	<p>Assessment Measure for this Outcome</p> <ul style="list-style-type: none">• Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2010 final are #1, #18, and #22.)
	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none">• The students will master 60% of the assessment questions.
	<p>Findings</p> <ul style="list-style-type: none">• The students attained an 77% mastery on question #1.• The students attained an 21.5% mastery on question #18.• The students attained an 60.9% mastery on question #22.• Overall, on questions 1, 18, and 22, the students attained a mastery level of 53.1%
	<p>Related Action Plans</p> <ul style="list-style-type: none">• The Mathematics department will create test item blue prints for the Math 0303 final exam along with detailed rubrics for the questions on the exam.• The students missed our target mastery level by 6.9%. Mathematics faculty will be informed of this result and faculty teaching Math 0303 will work together to improve the teaching of solving radical equations which was the content of question #18.
#3	<p>Developmental Mathematics Student Learning Outcome</p> <p>The student will use and interpret function notation in algebraic and graphical contexts.</p>
	<p>Course in the degree plan that address this outcome</p> <ul style="list-style-type: none">• Math 0303, Intermediate Algebra (The capstone course in the Developmental Mathematics sequence at Palo Alto College)
	<p>Assessment Measure for this Outcome</p> <ul style="list-style-type: none">• Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2010 final are #20 and #21.)



PALO ALTO COLLEGE

	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none">The students will master 60% of the assessment questions.
	<p>Findings</p> <ul style="list-style-type: none">The students attained an 36% mastery on question #20.The students attained an 52% mastery on question #21.Overall, on questions 20 and 21, the students attained a mastery level of 43.9 %
	<p>Related Action Plans</p> <ul style="list-style-type: none">The Mathematics department will create test item blue prints for the Math 0303 final exam along with detailed rubrics for the questions on the exam.The students missed our target mastery level by 16.1%. Mathematics faculty will be informed of this result and faculty teaching Math 0302 and/or Math 0303 will work together to improve the teaching of this student learning outcome.
#4	<p>Developmental Mathematics Student Learning Outcome</p> <p>The student will solve application problems.</p>
	<p>Course in the degree plan that address this outcome</p> <ul style="list-style-type: none">Math 0303, Intermediate Algebra (The capstone course in the Developmental Mathematics sequence at Palo Alto College)
	<p>Assessment Measure for this Outcome</p> <ul style="list-style-type: none">Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2010 final are #8, and #13.)
	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none">The students will master 60% of the assessment questions.
	<p>Findings</p> <ul style="list-style-type: none">The students attained an 58.9% mastery on question #8.The students attained an 54.6% mastery on question #13.



PALO ALTO COLLEGE

	<ul style="list-style-type: none">Overall, on questions 8 and 13, the students attained a mastery level of 56.7 %
	<p>Related Action Plans</p> <ul style="list-style-type: none">The Mathematics department will create test item blue prints for the Math 0303 final exam along with detailed rubrics for the questions on the exam.The students missed our target mastery level by 3.3%. Mathematics faculty will be informed of this result and faculty teaching any developmental course will work together to improve the teaching of this student learning outcome.