Course Outcomes Form
Northwest Indian College

All hand-outs are posted on the faculty website at www.nwic.edu/faculty (follow the Assessment link)

Before completing this form, please refer to the Instructions for Completing the Course Outcomes Form. Please submit this form electronically to Shidon Aflatooni at saflatooni@nwic.edu.

Last date this form was updated or edited	April 5, 2012
Course Number (e.g., ENGL 101)	Math 102
Course Name (e.g., English Composition I)	College Algebra
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Matteo Tamburini; Cassandra Cook; Jay Giles; Dan Williams; Leslie Hastings; Angela Picard; Amy Wilson
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	COLLEGE ALGEBRA (second edition) Graphs and Models by Barnett, Ziegler and Byleen

A. NWIC outcomes: From the List of NWIC Outcomes, select the most important outcomes you assess in this course (at least **one** NWIC outcome must be chosen).

NWIC outcome # (e.g., "Written communication: 2a. write standard English")	Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)	Assessment/Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)
Quantitative skills: 5a. propose solutions to and solve real-world problems by applying the correct numerical data	Solving group problems on homework and quizzes, doing several practice problems	Through grading of homework, quizzes, and tests Also through evaluating verbal responses to questions
Quantitative skills: 5b. use analytical and critical thinking skills to draw and interpret conclusions	Solving group problems on homework and quizzes, doing several practice problems	Through grading of homework, quizzes, and tests Also through evaluating verbal responses to questions

B. Course outcomes: In order of priority, list the <u>most</u> important other learning outcomes for this course that you **<u>assess</u>** (a maximum of 10).

Other course outcomes: Complete the sentence – As a result of this course, students will be able to…	Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)	Assessment / Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)
Define, recognize, and evaluate functions	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests
Define the domain of a function, and find the domain of linear, quadratic, rational and radical functions	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests
Represent linear and quadratic functions as formulas, graphs, and tables of values; use them to model real-world applications	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests
Make mathematical conclusions based on pertinent information and interpret them in context	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests
Solve linear equations, and systems of linear equations	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests

Solve quadratic equations	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests
Define radicals with index greater than two, and explain their connection to rational exponents	By practice on homework, and individual practice and group practice on quizzes	Individual quizzes and individual tests

C. Please list the NWIC outcomes and course outcomes from above on your syllabus.

D. Please assess the NWIC outcomes and course outcomes, which are listed above, in your classes.