MATH 096 - Intermediate Algebra (3 Credits)

DESCRIPTION:

Topics include rational expressions and equations, linear equations and inequalities, radicals, quadratic equations, graphs, and applications. A comprehensive, proctored, departmental final exam will be given. Prerequisite: MATH 095 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

TEXT:

NOTE: Full-time instructors have the right to use no text or a different text.

OUTLINE:

Ch 05 - A one-day review of factoring is suggested.
Ch 06 - Sections 6.1 - 6.7
Ch 10 - Sections 10.1 - 10.7
Ch 11 - Sections 11.1, 11.2, 11.3, and 11.5
Ch 03 - Sections 3.3 and 3.4
Ch 07 - Sections 7.1 - 7.4
Ch 08 - Sections 8.1, 8.2, 8.3, and 8.5
Note: In Section 8.5 exclude problems which have three or more variables.
Ch 09 - Section 9.3

OUTCOMES:

a. Work with functions and function notation.
b. Graph functions.
c. Solve systems of linear equations.
d. Work with rational expressions and solve rational expression equations.
e. Perform arithmetic on irrational numbers.
f. Solve non-linear equations.
g. Apply and extend all concepts.

EVALUATION:

Grades will be determined by student performance in one or more of the following areas: in-class tests, take-home tests, homework assignments, quizzes, special projects, papers, attendance, and class participation. Degree of importance and types of assessment used will depend on the instructor.

This course DOES NOT satisfy the Math component of a degree or certificate program at CSN.

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