MATH 090 – Basic Mathematics – SYLLABUS
Department of Mathematics
Millersville University

Description

This course is designed to assist students who need additional preparation before taking a college mathematics course. It contains core math applicable toward the science/math requirement. After successful MATH 090

students are prepared to take courses that fulfill this requirement. Students who must take MATH 090 earn course credits, and the grade is counted in the cumulative grade point average, but MATH 090 course credit cannot be counted towards fulfillment of the baccalaureate or associate degree. (3 credits)

Prerequisites

Placement MPT 090.

Course Objectives

By the conclusion of this course the successful student will be able to:

- Perform arithmetic operations on number sets (including integers, rational numbers).
- Classify and define properties of real numbers.
- Solve multi-step linear equations.
- Solve single- and multi-step inequalities.
- Graph linear equations and inequalities.
- Simplify polynomials (including addition, subtraction, multiplication, and division).
- Factor polynomials and use them to solve equations.
- Simplify rational expressions (including multiplication and division).

Assessment

-
-
-
-
-
-
-