

Norwalk Community College
Learning Outcomes for MAT 094 – Introductory Algebra

After completing Introductory Algebra, the student should be able to:

- Add, subtract, multiply, and divide integers and rational numbers.
- Evaluate numeric and algebraic expressions.
- Solve linear equations in one variable.
- Simplify exponential expressions using the rules for exponents.
- Convert between scientific notation and standard (decimal) notation.
- Graph linear equations on the Cartesian plane.
- Determine the intercepts of a line.
- Determine the slope of a line.
- Find the equation of a line using given information.
- Add, subtract, multiply (including FOIL), and simplify polynomial expressions.
- Factor polynomials by grouping, the AC-method, and the difference of squares.
- Solve a formula for a specified variable.
- Solve problems using numeric and algebraic techniques.