

Math 100 – Elementary Algebra

Student Learning Outcomes

1. Distinguish between different operations (addition, subtraction, multiplication, division, integer exponents, square roots) of algebraic expressions, and identify and use relevant properties to simplify expressions.
2. Given an equation (linear, quadratic, rational, literal), identify type of equation and method for solving, then solve the equation.
3. Translate algebraic expressions (including ordered pairs) and equations into English phrases and sentences, and vice versa.
4. Identify the unknown(s) in application problems (what is being asked?), set up equation(s) or inequality, solve, and interpret solution(s).
5. Construct graphs of lines and parabolas.
6. Derive equations of lines from descriptive data.