Math 1215
Student Learning Outcomes:

- Solve linear, quadratic, rational, and radical equations.
- Solve simple and compound linear inequalities and represent the solution using interval notation.
- Graph linear equations and linear functions on the Cartesian plane.
- Determine the slope of a line and find the equation of a line using given information.
- Solve systems of two linear equations in two variables.
- Use the rules for exponents to simplify exponential expressions, including rational exponents.
- Add, subtract, multiply, divide, and factor polynomials. or decide if they cannot be factored.
- long division and synthetic division of polynomials.
- Simplify, add, subtract, multiply, and divide rational expressions.
- Simplify complex fractions.
- Simplify, add, subtract, multiply, and divide expressions containing radicals, including rationalizing the denominator.
- Use mathematical equations to model real-life problems.
- Examine exponential and logarithmic functions and their properties.