

## **Math 111 – Intermediate Algebra for Math, Science, and Business Majors**

### Student Learning Outcomes

1. Model and solve word problems involving linear, quadratic, exponential, and logarithmic functions.
2. Broaden elementary algebra computational skills to include fractional exponents and the corresponding radical expressions, complex numbers, inverse variation, complex fractions, and 3X3 systems of equations.
3. Interpret the specific properties of linear, quadratic, exponential, logarithmic, or rational functions and their graphs within the context of the problem.
4. Solve equations with exponentials, logarithms, and square roots.
5. Identify conic sections and construct graphs from their equations, and solve nonlinear systems involving conic sections.