

## **Math 107 – Intermediate Algebra**

### 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, inverse variation, complex fractions, and 3x3 systems of equations.
3. Choose the appropriate linear, quadratic, exponential, logarithmic, or rational function to model data.
4. Graph and interpret the specific properties of linear, quadratic, exponential, logarithmic, or rational functions within the context of the problem.
5. Solve equations with exponentials, logarithms, and square roots.