

**Students enrolling in MATH 1100 should be familiar with:**

- Graphing polynomial, radical, exponential, logarithmic, and piecewise functions and describing their attributes.
- Solving rational, quadratic, exponential and logarithmic equations.
- Solving systems of linear equations in 2 and 3 variables and systems of quadratic equations.
- Using linear, quadratic, exponential and logarithmic functions to model situations, in particular business situations (for example cost, revenue, profit, break-even values and equilibriums). Using techniques for solving equations and systems-of-equations to answer questions about these situations.

Ability to perform composition, work with sequence/series notation, would be useful, and graph/describe rational functions would be useful, but a short review will be provided in class.