

# List of concepts

concepts that I am comfortable with:

## Expressions, equations and functions

- quadratic equations
- variable expressions
- inequalities
- rational expressions
- polynomial functions
- linear equations
- quadratic formula
- complex numbers
- set builder and interval notation
- Finding roots of quadratic equation
- Factoring
- the power of  $i$
- logarithmic functions
- evaluating logarithmic functions

## Graphs and Functions

- graphing equations
- parabolas
- vertical/horizontal asymptotes
- slope, y-intercept, zero values
- plotting points
- domain and range

## Sequences and Series

- Arithmetic and geometric sequence
- writing sequence equations
- common ratio and difference

Concepts that I am NOT comfortable with:

## Expressions, equations, and functions

- word problems dealing with quadratic functions
- Descartes' Rule of signs
- rational zeros
- multiplicities
- multivariate polynomials
- rewriting logarithmic expressions
- interest equations
- domain & range of logarithmic expressions
- using the ALEKS calculator to solve exponential / logarithmic equations.

Probability!

## Sequence and series

- finding specified terms given two terms of the sequence
- factorial expressions