

Part 1 Review (Calculator allowed)

- Be able to solve the following types of equations for x:
 - Exponential (a^x)
 - Logarithmic
 - Absolute value
 - Rational
 - Square root
- Writing the equation of a line given information about it relative to other lines and/or points
- Domain of radical expressions
- Operations on logarithms
- Finding zeros of polynomials
- Writing a polynomial given zeros
- Using law of sines and/or cosines to solve a triangle

Graphing Review (no calculator- Part 2)

- Be able to graph the following parent functions and perform transformations
 - Quadratic $f(x) = x^2$
 - Square Root $f(x) = \sqrt{x}$
 - Cubic Polynomial $f(x) = x^3 + x^2 + x + c$
 - Rational $f(x) = \frac{1}{x}$
 - Logarithmic $f(x) = \log_a x$
 - Exponential $f(x) = e^x$
 - Sine and Cosine $f(x) = \sin x$ and $f(x) = \cos x$

** These can all be found in the back of the textbook!!!

- Be able to state the domain and range
- Be able to tell if the graph of a function has an inverse
- Be able to give equations of asymptotes if they exist
- Find zeros of a polynomial function
- Be able to use the unit circle to state exact values of sine, cosine and tangent
- Verifying trig identities
- Solving trig equations