

The main themes in our final exam (but this is not a complete list):

- Today's discussion:
 - Graphing Trig Functions and Transformations
 - Domain and Range of Sine, Cosine and Tangent (and seeing them as functions)
 - Multiplicities of factors in a polynomial
- Exponential/Log Properties
- Exponential and Logarithmic Equations
- Quadratics, vertex form, standard form, quadratic formula, discriminants
- Factoring, solving, zero product property
- Transformations of Graphs
- Polynomials Algebra, Graphs, Remainder Theorem, Factor Theorem and Polynomial Division
- Word Problems involving Trig, Logs, Statistics
- Applications of Empirical Rule
- Applications from Descriptive statistics: mean, median, mode, 5 number summary, range, IQR, standard deviation, variance
- Complex numbers: addition, subtraction, multiplication, division, modulus, solving quadratic equations with complex solutions