

3RD QUARTER ASSESSMENT

Review Topics

Below is a list of specific tasks to be performed on the 3rd Quarter Assessment. The concepts are divided by chapter according to previous tests given (not necessarily by the textbook).

Chapter 7

- Use the Remainder, Factor, and Rational Root Theorems
- Find all zeros of a polynomial
- Write a polynomial with given zeros
- Find the composition of two functions
- Find the inverse of a one-to-one function
- Graph a radical function

Chapter 8

- Write the equation in standard form of a circle
- Identify the center/vertex of a conic section given its equation in any form
- Identify type of conic sections given its equation in any form
- Match conic section graphs and equations in any form

Chapter 9

- Solve applications involving direct, inverse, and/or joint variation
- Use transformations to graph families of functions

Chapter 10

- Solve exponential equations
- Solve logarithmic equations
- Use logarithmic product, quotient, and/or power properties
- Solve applications involving exponential growth/decay