Culminating Task Review

Each task is an open book test made up of 4 thinking-type questions.

Open book means that you are allowed to use any handout I have given you and **anything** you have written in your own notes. You are not allowed to use the textbook and you are not allowed to photocopy someone else’s notes.

The communication mark is again a rubric based on how well you show your work, define variables, label graphs, etc.

**Part One: Chapters 1-4 on Functions**

Some Main Topics:

Analyzing Quadratic Functions (e.g. finding and interpreting zeroes, max/min, etc)

Analyzing Exponential Functions (e.g. solving and interpreting growth and decay rates and amounts)

Finding the inverse of a function

Graphing a function and stating Domain and Range

Adding Rational Functions (which includes factoring complex trinomials)

Some practice questions: pg. 206 #s 7, 8, 9, 11, 12, 15, 21, 27, 28,

**Part Two: Chapters 5-8 on Identities, Sinusoidal Functions, Sequences and Series, and Financial Math**

Some Main Topics:

Analyzing and Graphing a Sinusoidal Function

Proving a Trigonometric Identity

Working with sequences and series

Analyzing present and future value of Annuities

Some practice questions: pg. 408 #s 4, 7, 17, 19 and pg. 538 #s 1 – 3, 5, 8, 10, 11, 13, 14