Math5700 Project 2

Project 2 is due on Monday, November 12th, in class. You need to present your lesson that day in class.

In addition to your lesson presentation, you will turn in all these:

(1) Your typed lesson notes (for both lessons).

(2) Copies of three to five text references for your notes, include what text books the references come from. (I specifically want you to use text books, not online sources for this.)

(3) A one-page, double-spaced, report about what you found in your textbook research. What similarities did you find in the textbooks about its presentation of logarithms/exponentials? What differences did you find? Why did you like or dislike some books over others?

Each student is assigned two of the bullet-point topics listed below for which to prepare lessons. You will all need to work together to ensure the topics flow smoothly. You'll have 8 minutes per bullet point to present your lesson.

Note: The first name listed next to each topic is the person doing the presentation on that topic. The second name on that topic is turning in a lesson for that topic, but not presenting it in class.

Exponential Functions
- Introduce/Rules for exponential functions—Becky, Meghan
- Practice with exponential functions & Graphs of exponential functions— Lisett, David

Composite and Inverse Functions
- Definitions & Horizontal Line Test—Lindsey, Jessie
- Geometric interpretation of inverse functions & How to find inverse functions algebraically—Lisa, James

Logarithmic Functions
- Definition & Properties of Logarithms—David, Becky
- Change of Base & Graphs of logarithmic functions—Jessie, Ashlee

Solving Equations
- How to solve logarithmic equations—Ashlee, Lisett
- How to solve exponential equations—Meghan, Lisa

Applications of Exponential Functions
- Compound interest & Radioactive Decay—James, Lindsey