Chapter 8: Exponential and Logarithmic Functions

8-1 and 8-2: Exponential Function basics

- Determining if an exponential function is growth or decay
- Finding the growth/decay factor
- Finding the % inc or dec from an exponential equation
- Knowing how the values of a and b in an exponential equation affect the graph
- Exponential growth/decay application problems
- Compound and continuous interest problems

8-3: Logarithmic Functions

- Rewriting equations into logarithmic and exponential forms.
- Evaluating basic logarithmic expressions

8-4: Properties of Logarithms

- Writing a logarithmic expression as a single logarithm.
- Expanding a single logarithm into several logarithms.
- Evaluating logarithmic expressions

Sec 8-5: Solving Logarithmic and Exponential Equations

- Using properties of logarithms and the Change of Base Property to solve logarithmic equations.
- Solving exponential equations by rewriting them as logarithms.

Sec 8-6: Natural Logarithms

- Applying the same skills used with other logarithms to Natural Logarithms.