

- Section 3.1
 - Model exponential growth given a verbal description involving the growth factor/rate. (Example 1, 3)
 - Model exponential decay given a verbal description involving the decay factor/rate. (Example 4, 5)
- Section 3.2
 - Convert between growth factors for different time intervals. (Example 3 or see <https://www.youtube.com/watch?v=tKBHQ0pEhK4> for a different technique)
- Section 3.3
 - Determine whether an exponential model is well-suited to data. (Example 2 or see <https://www.youtube.com/watch?v=Pnl9LtHxAjU>) for a different technique)
 - Given a logistic function, provide information about population and carrying capacity. (Example 4)
- Section 3.4
 - Discuss the effect of C and a on the graph of $y = Ca^t$. (Example 3, 5)
- Section 4.2
 - Use laws of logarithms to contract and expand. (Example 2, 3)
- Section 4.3
 - Extract data from logarithmic models. (Example 2, Exercise 17 - You do not need to memorize the formulas for pH, Richter magnitude, etc.)
- Section 4.4
 - Model exponential growth/decay using instantaneous growth/decay rates. (Example 5, 6)
 - Convert between models of the form Ca^t and Ce^{rt} . (Example 7, 8)
- Section 4.5
 - Solve exponential equations. (Example 2)
 - Solve logarithmic equations. (Example 4)
 - Use the techniques above to extract data from a model. (Example 7)

- Section 4.6

- Compose two functions. (Example 2, Exercise 79)
- Find the inverse of a function. (Example 4, Exercise 83)