

Remote Lesson 6.3

Please refer to your textbook for the Toolkit (Twelve Basic) Functions. They are located on pages 102-103. If you are struggling through any points of analysis, I would recommend reading through the examples on pages 104-108

Notes: PLEASE CHANGE THE NAME OF “The Squaring Function” to “Even Power Function”

PLEASE CHANGE THE NAME OF “The Cubing Function” to “Odd Power Function”

PLEASE CHANGE THE NAME OF “The Natural Log Function” to “Log Function”

PLEASE CHANGE THE FORMULA FOR LOGISTIC: $f(x) = \frac{c}{1+ab^x}$

Goals:

1. You should be able to Graph all of these without a calculator using at least 3 anchors (Remember anchors are both points and asymptotes). * Exponential and log functions will only have 2 for now (*I encourage you to do this on paper in your notes!*)

***2. You should know the name, the equation and the graph for all 12 functions**

3. You should be able to answer analysis questions regarding the toolkit functions.

4. You should be able to look at the equation of a toolkit function and identify transformations that have been made to the parent graph

5. You should also be able to graph piecewise functions (this should be review from another course)

HW pp. 109-110 1-47 odd