

# Math 111: College Algebra or An Introduction to Functions and Function Notation

## Course Pack Table of Contents

Section from 4<sup>th</sup> edition text ↓ has associated notes found in the course pack ↓

2.1 Functions	3.1
2.2 Graphs of Functions	3.2
2.3 Getting Info from the Graph	3.3
2.4 Average Rate of Change of a Function	3.4
2.5 Linear Functions and Models	Notes to be handed out in class
2.6 Transformations of Functions	3.5
2.7 Combining Functions	3.6
2.8 One-to-one Functions and Their Inverses	3.7
4.1 Exponential Functions	5.1
4.2 The Natural Exponential Function	5.2
4.3 Logarithmic Functions	5.3
4.4 Laws of Logarithms	5.4
4.5 Exponential and Logarithmic Equations	5.5
4.6 Modeling with Exponential Functions	5.6
4.7 Logarithmic Scales	5.6
3.1 Quadratic Functions and Models	4.1
3.2 Polynomial Functions and Their Graphs	4.2
3.6 Rational Functions	4.6
3.3-3.5 if time	4.3 & 4.4 (notes for 3.5 handed out in class)