

Unit 1 (Functions and Their Graphs)

Main Topic/Book Section	Objectives	Assignments
1.4-1.5 Functions	• Find domain and range. • Determine whether a relation is a function. • Simplify a difference quotient.	#1 p.49 -50 #'s 14-24 (even), 58-70 (even), 81-84 p. 61-62 #'s 9-14
1.6-1.7 Library of Parent Functions and Transformations	• Identify the parent function of a given function. • Describe transformations of a function. • Use an equation of a function and its parent graph to sketch the function.	#2 p. 79-81 #'s 8-40 (every other even)
1.6 Piecewise Defined and Greatest Integer Functions	• Evaluate Piecewise and Greatest Integer by hand. • Graph both functions using graphing calculator and sketch.	#3 p. 71-72 #'s 33-36, 38-50 (even) 63-65
1.8 Compositions of Functions	• Find the composition of 2 or more functions. • Write a given function as a composition of two or more functions.	#4 p. 90 #'s 35-42, 47-54
1.9 Inverse Functions	• Determine if a function is one-to-one. • Graph the inverse of a function. • Algebraically find an inverse function. • Verify if two functions are inverses of each other.	#5 p. 99-100 #'s 19-24, 39-49
Review		
Test		