



Kittatinny Regional High School

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2005 Governor's School of Excellence



June 2018

PreCalculus Honors Summer Assignment

Teacher: Mrs. Youngblood

Assignment due: September 4, 2018

STUDENT NAME _____ BOOK # _____

"If I were again beginning my studies, I would follow the advice of Plato and start with Mathematics."
- Galileo Galilei

UNIT 1: Functions and Graphs – Chapter 1

In this chapter, we begin the study of functions that will continue throughout the book. Your previous courses have introduced you to some basic functions. These functions can be visualized using a graphing calculator and their properties can be described using the notation and terminology that will be introduced in this chapter. A familiarity with this terminology will serve you well in later chapters when we explore properties of functions in greater depth.

OBJECTIVE

HOMEWORK

OBJ 1: Solving equations with and without a GC. Students will use GC to find regression formulas.	P 81 (beginning) 1-9 odd, 29-47 odd, 49, 50 , 51, 52, 53, 55-60
OBJ 2: Definition of a function, continuity, domain and range, symmetry, odd/even, and local and absolute extrema. Students will find asymptotes.	P 102 1-33 odd, 41-46, 47-73 odd, 68, 80
OBJ 3: Students will discuss the boundedness of a function.	P 102 35-40, 77, 83, 84 , 85, 86
OBJ 4: Twelve Basic Functions	P 113 13-28, 30-42 even
OBJ 5: Graphing piece-wised defined functions.	P 114 45-53, 66 , 58-63

Read and take notes (in a 3-ring binder) on Chapter 1 in the sections stated above. Assignments are to be completed. Check ALL odd answers in the back of the textbook. On September 5, notes and homework questions will be checked for completeness and will count as a quiz grade. The **five bolded questions** will also be collected on September 5 and will count as a second quiz grade. Please answer these 5 questions on a separate sheet of paper. A quiz on the summer material will be later in the following week. Also see me prior to the summer vacation to receive direction for Number 66.

Welcome to Honors PreCalculus. I hope you have a great summer!

Mary Youngblood
Instructor of Mathematics

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