

Math Analysis Summer Assignment

Welcome to Math Analysis at Lincoln High School. I am very pleased that you have chosen to enroll in this exciting Pre-Calculus course. This course will delve deeper into many concepts that you learned in Geometry and Algebra 2 in addition to introducing new concepts as well. In order to be prepared for the first day of school, you have some preliminary work to do over the summer. First, you need to get the textbook from the depository, and a notebook with graph paper in it. Take notes for each section in the manner of your Algebra 2 teacher. Highlight the section number and title for each section in your notebook. For the homework, do your work on binder or graph paper and label each section. You may put more than one assignment on a page as long as it is clear where each section begins and ends. All answers are in the back so that you can check, which means that you need to show all of your work, and all graphs must be on graph paper in order to get credit. The notes and assignment are due on the first day of school. The grading scale for the summer assignment is as follows:

Completed:	First Day of class	50 points	A
	Second Day of class	35	C -
	Third Day of class	0	F

We will be spending the first couple of days going over questions in Chapter 1. Your first test covering Chapter 1 and be worth 50 points.

1.1 Linear Functions	p. 5 #1-17 odd
1.2 Slopes of lines	p. 11 #7-21 odd
1.3 Equations of lines	p. 16 #1-15 all
1.4 linear models	p.22 #7-17 odd, 21
1.5 complex numbers	p. 28 #1-31 odd
1.6 Quadratic equations	p. 35 # 1-21 odd, 25-29 odd
1.7 Quadratic functions and graphs	p. 41 #1-19 every other odd, 21, 23, 27,29,35
1.8 Quadratic Models	p. 45 #1-5, 8, 11-15 odd
Review Problems	p. 50-51 #1-22

The textbook you need to check out is titled: ***Advanced Mathematics*** **Richard G. Brown**