

Math 127: Module D Guidelines and Homework

Please do the sections in the order given.

You MUST certify in all sections listed and you MUST do all the homework before taking the Module Exam.

Computer Lesson	Guidelines (work to be done on the computer)	Homework (work to be done out of the book)
8.1	Algebra of Functions Do Instruct, Practice, Certify	8.1: page 646: 15, 17, 19, 23, 25, 27, 31, 33, 35, 37, 41, 43, 51, 53, 55
8.2	Composition of Functions and Inverse Function Do Instruct, Practice, Certify	8.2: page 664: (2 assignments, each count, point-wise as a full assignment; e.g. 10 points each) Assignment 1: Composition of functions: 1, 3, 5, 9, 11, 17 Assignment 2: Inverse functions: 21, 25, 29, 35, 39, 41, 49, 51, 57
8.3	Exponential Functions Do Instruct, Practice, Certify	8.3: page 679: 1, 3, 5, 7, 21, 25, 29, 35, 39
8.4	Logarithmic Functions Do Instruct, Practice, Certify	8.4: page 688: 1 – 41 odd, 45, 49, 53
8.5	Properties of Logarithms Do Instruct, Practice, Certify	8.5: page 698: 1 – 53 odd
8.6	Common Log and Natural Log Do Instruct, Practice, Certify	8.6: page 707: 1 – 43 odd
8.7	Logarithmic and Exponential Equations Do Instruct, Practice (as needed), Certify	8.7: page 715: Exponential Equations: 27, 33, 37, 51, 53 Logarithmic Equations: 55, 59, 61, 65, 67, 69, 71, 75, 79, 85, 87
8.8	Applications Do Instruct, Practice, Certify	8.8: page 721: 3, 7, 9, 13, 15, 23, 25, 31
10.1	Sequences Do Instruct, Practice, Certify	10.1: page 824: 1 – 27 odd, 37, 39
10.2	Sigma Notation Do Instruct, Practice, Certify	10.2: page 830: 11, 13, 17, 23, 27, 31, 35,
10.5	Binomial Theorem Read the supplement for instructions on how to expand terms. You do NOT have to do Instruct, Practice, Certify in this section.	10.5: page 863: Use Pascal's Triangle to find the coefficients when you expand the expressions: 29, 31, 33, 35, 37 Note: You can do the odd problems in the supplement if you would like extra practice.
Module D Exam Review		Review: page 730: 3, 9, 13, 15, 19, 21, 25, 29, 31, 37, 39, 45, 47, 51 – 71 odd, 73 – 125 odd 129, 131, 133, 137 page 869: 1 – 35 odd 97, 99 Memorize Compound Interest formulas for compounding continuously and compounding n times per year.