

Fall, 1998
Peterson

MATH 124.

Suggested Exercises For Chapter Two.

<u>Date.</u>	<u>Section.</u>	<u>Suggested Exercises.</u>
Thursday, Feb 4. Friday, Feb. 5.	2.1. PAGE 67:	(U) 1,3,7. (M) 1,3,5,7,11,13,15,21,23,27,31,39,43,45,55,57,61.
Monday, Feb. 8. Tuesday, Feb. 9.	2.2. PAGE 75:	(U) 1,5,7. (M) 9,11,13,15,17,19,31,39,43,45,47,53,69.
Wednesday, Feb. 10. Thursday, Feb. 11. Friday, Feb. 12.	2.3 PAGE 86:	(U) 1,7. (M) 1,7,9,11,15,19,23,25,27,29,31,33,35.
Monday, Feb. 15. Tuesday, Feb. 16.	2.4. PAGE 95 :	(U) 1,3,5,7,9. (M) 7,11,13,19,25,35,39,43,47,49,53,55,57.
Wednesday, Feb. 17. Thursday, Feb 18. Friday, Feb. 19.	2.5. PAGE 104:	(U) 1,3,7. (M) 1,7,9,11,17,25,33,41,45,59,67,75,79,81,85.
Monday, Feb. 22. Tuesday, Feb. 23.	2.6. PAGE 114:	(U) 1,5,9. (M) 1,3,5,7,9,11,15,17,31,37,65.
Wednesday, Feb. 24. Thursday, Feb. 25.	2.7. PAGE 128:	(U) 1,5,9. (M) 5,9,15,19,25,27,37,45,49,63,65.
Friday, Feb. 26. Monday, March 1.	2.8. PAGE 136:	(U) 1,5. (M) 1,3,5,11,15,21,31,35,39.

OBJECTIVES:

1. To learn the definition of a real function and its graph and related terminology.
2. To be able to find the understood domain of an equationally-defined function.
3. To understand the Vertical Line test for the graph of a function.
4. To be able to determine domain and range from the graph of a function via Vertical and Horizontal Line Tests.
5. To understand the algebraic tests for even and odd functions and to be able to interpret their graphs in terms of symmetry.
6. To be able to graph step-defined functions both manually and electronically.
7. To understand shifting, scaling, and flipping as transformations both graphically and algebraically.
8. To understand composites of functions and to be able to simplify composites algebraically.
9. To understand inverse functions and to be able to determine an equation for an inverse function.
10. To master equations of straight lines, including parallel and perpendicular properties.
11. To master quadratic functions. To be able to determine the vertex and intercepts algebraically.
12. To be able to find a good viewing window for a function.
13. To be able to set up functions and to be able to find largest/smallest values electronically via the calculator calculate menu.

EXAM 1: Friday, March 5. Chapter 1 and Chapter 2 (Through 2.7).