

## Tentative assignment list SMTH 121-A

This tentative assignment list gives minimal homework assignments. You may need to work more problems than those assigned here to understand the concepts. Think about each problem you work and try to determine which concepts the solution requires. Just getting an answer is not enough; you need to understand the reasoning behind each solution and the significance of the result. If you need to work additional problems to understand the concepts, by all means do so! And remember that you should expect to spend two to three hours working out of class for each hour we spend in class. Also, please note: This is NOT a day-by-day assignment list. We will often cover multiple sections per class period and, occasionally, additional assignments will be made in class. Always read ahead.

Section	Initial Page	Assigned Problems and Activities
1.1	8	1,2,5. Plotting Points activity/ Auto Theft version.
1.2	15	1,3,4. 60-second summary of Plotting Points/Auto Theft. Read Sect 1.3.
1.3	27	1,2,3,4,5,6,7,8,14. Graphic Examples of Driving activity.
2.1&2.3	72	Prob 1; Linear Modeling, Part I-V3 activity.
	106	3,7,8,11.
	110	28,29,30,32,37.
2.5	81	4,5,6,9,10,11,12. New Microwave activity.
2.6	85	1,2,3,4.
	115	73,85,86,89.
2.7	90	1,2,3,4,5. Also, in a very short paragraph (three sentences?) describe an encounter you have had with the notion of slope in the past 24 hours. Be sure to describe the independent and dependent variables. Do not use time or distance as EITHER variable.
	117	100,103.
2.8	94	2,3. Big Tire activity from the website.
	97	3,4,5,6,8,9.
	103	Use your calculator to produce the function in problem 2. Use this function to answer the questions asked in the problem.
<b>Test 1 is planned for this point in the term.</b>		
4.1	205	1-9 all.
	238	16, 17, $ 2x - 5  < 3$ ; $ 3x - 5  > 4$ .
4.2	210	1 b,g,d; 2 b,g,d; 3 b,g,d; 4 b,d,g,h; 5,6.
	239	24, 25, 33.
4.3	215	1,3,5.
4.4	217	1,2,4,8.
4.5a	222	1,2,4,5,6. Show your work.
4.5b	224	1,2,4.
4.7a	230	1,2,3,5.
4.7b	235	1,2,4,5.
<b>Test 2 is planned for this point in the term.</b>		
5.1	259	1,2,3,4.
	300	4,6.

5.2	265	3,4; Infant Mortality Rate Revisited activity.
5.3	269	1,2,3,4,5; Prepare to turn in: If a store increases its prices 10% each even month and decreases them 10% each odd month, do prices increase, decrease or stay about the same over a long time period? Justify your answer with a clear explanation.
5.4	273	1,2,3,4,5.
5.5	279	1,2,4.
5.6	284	1,2.
	290	1,2,4.
6.1	328	3,4.
	330	1,2,4,5,6.
6.2	338	1,2,3; Work #5 with the TABLE feature of your calculator.
6.3	341	1,2,3,4,5,6,7.
	365	67,68,70. (For problem 70, “annual growth rate” is synonymous with “effective rate” or “annual yield”. “Continuous growth rate” is synonymous with “annual percentage rate” or “APR”.)
6.4	350	1,2,3,4,5.
6.5	354	2,4.
		<b>Test 3 is planned for this point in the term.</b>
7.1	378	1,2,4,6.
7.2	384	1,3,5,6,8.
7.3	390	4,5,6.
7.4	393	1,3.
7.5	401	1,2,5,6; Read Example 8, p. 399-400. Graph $y = 1/x$ , $y = 1/x^2$ , $y = 1/x^3$ , ..., $y = 1/x^6$ on your calculator. Write a short paragraph explaining what happens as the power of the denominator increases. Be sure to consider negative values of $x$ . Prepare your paragraph to turn in for grading.
8.1	448	1,2,4,5,7; Sandwich activity
8.2	463	1,2,3,4,5,8,10,11,12,13.
8.3a	467	1 – 6 all.
8.3b	473	1 – 5 all.
8.5a	480	1,2.
8.5b	488	1 – 5 all; “Did You Forget Something” activity.
8.6a	495	1,2; Medicine Drop activity.
8.6b	501	1,2,3,4.
8.6c	508	1,3,5.

**Test 4 is planned for this point in the term.**