Text: Reconceptualizing Mathematics , Custom First Edition by Sowder, Sowder, & Nickerson. W.H. Freeman, 2011
Math 13800 web page: www.math.purdue.edu/MA13800

Lesson	Section	Page	Problems
1	12.1	p239	1aceg, 5b, 7acf, 9bdfi, 11, 13, 14ab, 15 Print out and bring worksheet for L2.
2	12.2/3	p245	1, 2, 4, 5, 8, 9, 11c
		p252	1b, 1defgh(write a function rule for each of these), 2a, 3a, 4ac
3	12.4	p260	1, 5, 7, 10, 12bd, 20
			No class will be held on Monday, August 26, 2013
4	12.5	p271	2, 4bc, 5, 11, 12, 14b, 15
5	13.1	p283	3, 6, 7, 10

Note: Please print off or buy graph paper. Using tick marks on notebook paper is not acceptable.
Bring some to class and also use it for your homework unless you are making *qualitative* graphs.
Please bring a ruler to class.

6	13.2	p291	1abde, 5, 6, 9, 10 *You will need 4 sheets of graph paper for the next class.*
7	13.4	p305	1, 2bd, 3ab, 4b*, 6* (*make a table), supplementary ex 1a, use graph paper and neg & pos *x*-values for 1d
8	NCTM Illuminations		Lesson for grades 6-8 "Patterns and Functions" Assignment #8 worksheet
9	NCTM Illuminations		Lesson for grades 6-8 "One Grain of Rice" and for grades 9-12 "Drug Filtering" Assignment #9 worksheet
10	inverse and logarithmic functions		Assignment #10 worksheet

Exam 1 Monday, September 16, 2013 at 8:00 pm in ARMS 1010
No class will be held on Wednesday, September 18, 2013.

11	14.1	p311	2(Label the 5 parts of the graph A, B, C, D, E. Label the 5 parts of your story and the 5 parts of your new graph with the same letters.), 3, 8(hrs and min), 9ab
12	14.3	p320	2(use negative speeds), 5, 6bd, 7b, 8c, 9ab
13	14.4	p325	1ab(copy graph and explain), 3, 4ab, 6, 7 (7b should say "sooner")
14	15.1	p336	3, 5, 7, 9, 11, 13, 16, 18, 19, 20bd, 21, 22bd
15	15.2	p343	6, 9, 12, 17, 21, 22, 23, 25, 27a, 30
16	15.3	p351	1*, 6, 7*, 11* *Make graphs large enough to fill one side of a page of graph paper. Note that instructions for #7,11 are at the bottom of page 352.
17	15.4	p356	1, 2, 4a*, 5, 9, 12* (*use an entire side of graph paper for each)
18	15.5/6	p363	1c, 2bc, 3, 4, 10 (do only the $3 \times 4 \times 6$) p368 2, 3
19	27.1	p615	Discussion 3 #1,2 (Suppose . . ., What fraction . . .); Learning ex: 2, 4, 5bcd, 6(assume 1 red, 1 blue, 1 green), 7

Exam 2 Monday, October 14, 2013 at 6:30 pm in ARMS 1010
No class will be held on Wednesday, October 16, 2013.

20	27.2	p623	3, 4, 5, 6, 7, 8, 9bd, 13abdf, 15ab, 21a, 23a
21	28.1	p642	2, 3, 7, 9, 10
22	28.2	p647	2, 4, 6, 8, 10
23	28.3	p651	3, 6abcd, 7, 8, 10
24	28.4	p658	2, 4, 6, 7, 9, 11
25	29.1/2	p667	2, 3 p673 3, 4, 5, 6, 8, 9

Please bring a compass and protractor to the next class. Have graph paper and unlined paper with you.

26	29.4	p679	1, 2, 3
	30.1	p686	2a(show arithmetic with % to nearest 0.1 and angle to nearest degree), 2b*, 3*(*use an entire side of graph paper), 4 and 5- print out from *excel*, 6, 7, 8bc
27	30.2	p694	2a, 3, 4a, 6 (Make a histogram by hand. Use 0-4, 5-9, 10-14, etc.)
28	30.3	p701	3, 4*, 5*abcde (*make up a data set when possible), 6, 9
29	30.4	p709	1, 2, 3, 5, 9, 11, 13, 15, 16

Exam 3 Tuesday, November 12, 2013 at 8:00 pm in ARMS 1010

No class will be held on Wednesday, November 13, 2013.

30	30.5	p717	1(do work by hand), 2, 5, 8a(subtract 5) b(divide by 5). Use *excel* or a calculator to do the calculations for problems 5 and 8. Do the standard deviation by hand for this set of numbers: 2, 3, 7, 9, 10, 11
31	30.6	p725	1ab(line plot), 2, 3, 5, 6a (line plot)
32	30.6/7	p726	4, 8, 9, 10, 11a(show z-scores), c(400 six-year-olds: how many are taller than 48.6 in?; how many are shorter than 44.4 inches?), 13, 14, 16 p731 1, 2
33	33.1	p779	1, 2(refer to the table on p642 and make a new table of sums), 3, 4, 6
34	33.2	p787	1, 2, 4ab, 5ab, 6b, 9
35	33.2	p788	10, 11, 12, 13, 16, 17

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