Math 41 Homework (Balm MPS/Coreq)

<u>Chapter 1</u>
1.1   #8, 11, 12, 14, 15, 20, 23, 28, 32, 34, 38, 40-54, 56-59, 88-91
1.2   #4, 6-15, 20, 22, 23, 27-38, 41, 44, 46, 47, 50, 60, 61
1.3   #5, 7, 9, 11, 16, 17, 26, 27, 30, 32, 34, 42-46
1.4   #1, 5, 7, 9, 11, 12, 16, 18, 20, 21, 42-45, 50-60, 63, 64, 66-72, 74, 90-92
1.5   #1-4, 13, 16, 19, 24-28, 36, 37, 40-46, 53-55, 57, 59, 61, 62, 69, 70, 72, 73, 75, 76

<u>Chapter 2</u>
2.1   #1, 5, 15, 18, 21, 24, 25, 28, 30, 34, 36, 38-46, 63, 64, 69, 71, 76
2.2   #1-3, 6, 7, 10, 11, 13, 14, 16, 17, 32-37, 40, 41, 44, 47, 48, 50, 53, 55, 56, 61-64
2.3   #31-38

<u>Exam 1 Review – Optional Problems (do not turn in)</u>
Ch. 1 Review #4-6, 9-20, 24-26, 34-38, 45-50, 52-54
Ch. 1 Practice Test   #3, 6, 7, 9-11, 13, 14, 27, 28, 30, 31

<u>Chapter 1</u>
1.6   #13, 16, 18-20, 30-36, 46, 49, 52, 57, 61, 63, 64

<u>Chapter 3</u>
3.1   #5, 7, 8, 23, 24, 26-28, 37-40
3.2A   #2, 3, 6, 9, 12, 14, 17, 20-23, 25
3.2B   #53-55, 57-63, 90, 91 + worksheet from course pack
3.3   #1, 3-5, 13-17, 20, 21, 23-26, 29-38
3.4   #4, 9, 18, 19, 21-23, 30, 32, 34, 36, 38, 42-47
3.5   #3, 5, 7, 9-12
3.6   Course pack worksheets (p. 99, 100, 102, 103)

<u>Exam 2 Review – Optional Problems (do not turn in)</u>
Ch. 1 Review #66-69, 71, 72
Ch. 1 Practice Test   #18-20
Ch. 3 Review #5-8, 13-22, 25, 26, 31-34
Ch. 3 Practice Test   #4-7, 10, 11, 12, 13, 16-19

3.7   #2, 4-10, 13, 16, 19, 20, 23, 30, 31, 34, 39, 42, 43, 45, 75, 78, 79, 82
1.7   #2, 5, 10-1216, 23, 24, 29, 43, 46
3.8   #1, 2, 5, 7, 8, 11, 13, 15, 20, 23, 26, 27
        (for #5-15, please also sketch f(x) and f $^{-1}$(x) on the same graph)
3.7B   Course pack worksheets (p. 122-123)

Ch. 3 Review #37-40, 43-48
Ch. 3 Practice Test   #23, 24, 26-28

Ch. 10: 10.1-10.4 are all **one** HW assignment to be turned in all together
- **10.1** # 32, 36, 38, 52-56 *(Note: For #32-38 you do <u>not</u> need to label the foci. For #52-56 some of the problems have typos where the positive x-axis is labeled with negative numbers.)*
- **10.2** #6-10, 31, 35, 36 *(Note: For #31-36 you do <u>not</u> need to label the foci, but you should find and label the center, vertices and asymptotes.)*
- **10.3** #35, 36, 37 *(Note: You do <u>not</u> need to label the focus or directrix.)*
- **10.4** #6-11

Chapter 4
4.1   #9, 10, 12, 15, 17-19, 23-27, 44, 45, 48, 61, 62
4.2   #11-19, 21, 22, 26-28, 39, 43-45
4.3   #6-9, 16-19, 22-27, 30, 31, 34, 35, 42-58
4.4   #5, 34, 37, 56
4.5A   #3, 4, 5, 8-14
4.5B   #15-17, 19-24, 30-38
4.6   #4, 5, 7, 8, 11, 14, 15, 17, 20, 23, 26, 29-34, 45-48