MTH 111 Homework Problems from the Book - Fall 2019

•

- The following is a subset of problems from the textbook for each section covered in this course.
- Although these problems will not be graded or collected, you are expected to know how to do each of these problems for the exam.
- Ideally you will use these problems before attempting WebWork problems or as extra practice if you get the first attempt wrong.

Exam 1 Material Section 1.1 6-75 Section 1.2 6-25, 27-54 Section 1.3 5-14, 16-21, 26-34 Section 1.4 5-19, 42-79 Section 1.5 6-30, 33-81 Section 1.6 6-9, 28-36 Section 1.7 7-12, 16-18, 23-43 Section 2.1 7-54 Section 2.1 7-54 Section 3.1 5-10, 17-43, 49-58 Exam 2 Material Section 3.1 Section 3.1 5-10, 17-43, 49-58 Section 3.1 5-10, 17-43, 49-58 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 5.1 6-57 Section 5.1 6-57 Section 5.1 6-61 Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.3 11-19, 24-25 Section 7.3 11-19, 24-25			
Section 1.3 5-14, 16-21, 26-34 Section 1.4 5-19, 42-79 Section 1.5 6-30, 33-81 Section 1.6 6-9, 29-36 Section 1.7 7.12, 16-18, 23-43 Section 2.1 7-54 Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Section 3.1 5-10, 17-43, 49-58 Section 3.2 Section 3.3 6-30 Section 3.3 Section 3.4 6-23, 30-47, 53-66 Section 3.3 Section 3.5 3-43, 49-53 Section 3.6 Section 3.6 14-45, 56-60, 66-70 Section 3.7 Section 3.7 6-29, 39-56, 75-79 Section 3.7 Exam 3 Material Section 5.1 6-57 Section 5.2 10-49, 80-89 Section 5.2 Section 5.4 10-56 Section 5.4 Section 7.2 4-9, 18-19 Section 5.4 Section 7.3 11-19, 24-25 Section 6.2 Section 6.2 10-36 Section 6.2 Section 6.2 10-36 Section 6.3	Exam 1 Material	Section 1.1	6-75
Section 1.4 5-19, 42-79 Section 1.5 6-30, 33-81 Section 1.6 6-9, 29-36 Section 1.7 7-12, 16-18, 23-43 Section 2.1 7-54 Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Exam 2 Material Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.6 14-45, 56-60, 66-70 Section 5.1 6-57 Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 5.4 10-56 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.2		Section 1.2	6-25, 27-54
Section 1.5 6-30, 33-81 Section 1.6 6-9, 29-36 Section 1.7 7-12, 16-18, 23-43 Section 2.1 7-54 Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 6-57 Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 4.1 417, 23-27, 44-50, 61-62 Section 4.2 3-22,		Section 1.3	5-14, 16-21, 26-34
Section 1.6 6-9, 29-36 Section 1.7 7-12, 16-18, 23-43 Section 2.1 7-54 Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.2 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 6-57 Section 5.1 6-61 Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.1 4-17, 23-27,		Section 1.4	5-19, 42-79
Section 1.7 7-12, 16-18, 23-43 Section 2.1 7-54 Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Exam 2 Material Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.1 5-10, 17-43, 49-58 5-10 Section 3.2 6-44, 53-69, 75-78, 85-94 5-10 Section 3.3 6-30 6-30 Section 3.4 6-23, 30-47, 53-66 5-10 Section 3.5 3-43, 49-53 5-10 Section 3.6 14-45, 56-60, 66-70 5-10 Section 3.7 6-29, 39-56, 75-79 5-10 Exam 3 Material Section 5.1 6-57 Section 5.1 6-57 5-10 Section 5.3 6-61 5-10 Section 7.1 5-15, 29-33 5-10 Section 7.2 4-9, 18-19 5-10 Section 7.3 11-19, 24-25 5-21 Section 7.3 11-19, 24-25 5-21 Section 6.1 6-22 5-22 Section 6.1 6-22		Section 1.5	6-30, 33-81
Section 2.1 7-54 Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Exam 2 Material Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.2 3-22, 26-45 56 Section 4.3 6-58 56 Section 4.4 6-20, 26-46 52 <td></td> <td>Section 1.6</td> <td>6-9, 29-36</td>		Section 1.6	6-9, 29-36
Section 2.2 6-31, 38-69 Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 Section 5.2 10-49, 80-89 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.2 49, 18-19 Section 6.1 6-22 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.2 3-22, 26-45 5-88 Section 4.4 6-20, 26-46 5-28		Section 1.7	7-12, 16-18, 23-43
Exam 2 Material Section 3.1 5-10, 17-43, 49-58 Image: Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.6 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 6-57 Exam 3 Material Section 5.2 10-49, 80-89 Section 5.2 10-49, 80-89 10-56 Section 5.4 10-56 10-56 Section 7.1 5-15, 29-33 10-56 Section 7.2 4-9, 18-19 10-56 Section 7.3 11-19, 24-25 10-36 Section 6.1 6-22 10-36 Section 6.2 10-36 10-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Material only on the Final Section 4.2 3-22, 26-45 S		Section 2.1	7-54
Section 3.2 6-44, 53-69, 75-78, 85-94 Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 6.1 6-22 Section 6.2 10-36 Section 6.2 10-36 Material only on the Final Section 4.1 Section 6.3 8-36 Material only on the Final Section 4.4 Section 4.4 6-20, 26-46 Section 4.4 6-20, 26-46		Section 2.2	6-31, 38-69
Section 3.3 6-30 Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 6.1 6-22 Section 6.1 6-22 Section 6.2 10-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.4 6-28 Section 4.5 3-32	Exam 2 Material	Section 3.1	5-10, 17-43, 49-58
Section 3.4 6-23, 30-47, 53-66 Section 3.5 3-43, 49-53 Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 6.1 6-22 Section 6.3 8-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-2		Section 3.2	6-44, 53-69, 75-78, 85-94
Section 3.5 3-43, 49-53 Image: Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 Section 5.2 10-49, 80-89 Image: Section 5.3 6-61 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 6.1 6-22 Section 6.1 6-22 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 3.3	6-30
Section 3.6 14-45, 56-60, 66-70 Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 6-57 Exam 3 Material Section 5.2 10-49, 80-89 Section 5.3 6-61 6-61 Section 7.4 10-56 6-70 Section 7.1 5-15, 29-33 6-61 Section 7.2 4-9, 18-19 7000000000000000000000000000000000000		Section 3.4	6-23, 30-47, 53-66
Section 3.7 6-29, 39-56, 75-79 Exam 3 Material Section 5.1 6-57 Exam 3 Material Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.2 4-9, 18-19 Section 6.1 6-22 Section 6.2 10-36 Section 6.2 10-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 3.5	3-43, 49-53
Exam 3 Material Section 5.1 6-57 Exam 3 Material Section 5.2 10-49, 80-89 Image: Section 5.3 6-61 Section 5.4 10-56 Image: Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Material only on the Final Section 4.1 Section 4.1 4-17, 23-27, 44-50, 61-62 Material only on the Final Section 4.3 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 3.6	14-45, 56-60, 66-70
Section 5.2 10-49, 80-89 Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.4 6-58 Section 4.4 6-20, 26-46		Section 3.7	6-29, 39-56, 75-79
Section 5.3 6-61 Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Section 6.2 10-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32	Exam 3 Material	Section 5.1	6-57
Ample Section 5.4 10-56 Section 7.1 5-15, 29-33 Section 7.2 4-9, 18-19 Section 7.3 11-19, 24-25 Section 6.1 6-22 Section 6.2 10-36 Section 6.3 8-36 Material only on the Final Section 4.1 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 5.2	10-49, 80-89
Ample A		Section 5.3	6-61
Answissing Section 7.2 4-9, 18-19 Image: Section 7.3 11-19, 24-25 Image: Section 6.1 6-22 Image: Section 6.2 10-36 Image: Section 6.3 8-36 Image: Section 4.1 4-17, 23-27, 44-50, 61-62 Image: Section 4.2 3-22, 26-45 Image: Section 4.3 6-58 Image: Section 4.4 6-20, 26-46 Image: Section 4.5 3-32		Section 5.4	10-56
Answis Section 7.3 11-19, 24-25 Image: Section 6.1 6-22 Section 6.2 10-36 Image: Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Image: Section 4.2 3-22, 26-45 3-22, 26-45 Image: Section 4.3 6-58 6-58 Image: Section 4.4 6-20, 26-46 3-32		Section 7.1	5-15, 29-33
Answis Answis Answis Section 6.1 6-22 Section 6.2 10-36 Material only on the Final Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 7.2	4-9, 18-19
Answis Answis<		Section 7.3	11-19, 24-25
Access Section 6.3 8-36 Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 6.1	6-22
Material only on the Final Section 4.1 4-17, 23-27, 44-50, 61-62 Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 6.2	10-36
Section 4.2 3-22, 26-45 Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 6.3	8-36
Section 4.3 6-58 Section 4.4 6-20, 26-46 Section 4.5 3-32	Material only on the Final	Section 4.1	4-17, 23-27, 44-50, 61-62
Section 4.4 6-20, 26-46 Section 4.5 3-32		Section 4.2	3-22, 26-45
Section 4.5 3-32		Section 4.3	6-58
		Section 4.4	6-20, 26-46
Section 4.6 4-64		Section 4.5	3-32
		Section 4.6	4-64