

**MATH 11000 Fundamentals of Algebra**  
**Suggested Practice Exercises**

**TEXTBOOK** *Concepts and Applications in Mathematics Second Custom Edition for Math 11000 at IUPUI*, Pearson Custom Publishing, ISBN 9781323494073. *Note: The eText version of the textbook is included with MyLabs Plus.*

**This is a minimum assignment list to be successful in this course; while these exercises are ungraded, they are similar to the exercises in the graded MyLabs Plus assignment.** Always work assigned problems before the next class so that you are prepared with questions from the homework. When you do your homework allow for enough time to get assistance at the Math Assistance Center (MAC). There is not enough time in class for the instructor to answer all of your questions!

Section	Exercises
1.1	11, 18, 29, 35, 35, 57, 65, 67, 71, 73, 75, 77, 79, 81, 95
1.2	39, 41, 52, 69, 71, 73, 83, 85, 93, 95, 101, 111, 113, 117, 119, 123, 133, 147, 151, 159
1.3	5, 11, 17, 21, 23, 35, 37, 41, 43, 45, 47, 60, 63, 67, 69, 71, 76, 77, 83, 91
1.4	7, 11, 16, 21, 23, 25, 29, 31, 38, 39
1.5	11, 17, 21, 23, 25, 29, 33, 39, 43, 45, 49, 53, 55, 63, 70
1.6	15, 17, 21, 23, 27, 29, 31, 35, 46, 47, 51, 69, 73, 75, 81, 93, 95, 99, 103, 113

Section	Exercises
2.1	7, 11, 17, 19, 21, 29, 36, 37, 41, 43, 45, 49, 55, 61, 63
2.2	10, 15, 17, 19, 21, 29, 31, 33, 37, 39, 41, 43, 49, 51, 52, 53, 57, 59, 65, 69, 71, 75, 79, 87, 99
2.3	7, 9, 13, 23, 25, 35, 39, 41, 45, 47, 59, 67, 73, 75, 76, 81, 83, 87, 93, 95
2.4	11, 13, 29, 31, 33, 41, 45, 45, 47, 53, 55, 57, 75, 79, 81
2.5	13, 15, 27, 33, 35, 39, 47, 49, 52, 55, 57, 63, 66, 67, 72, 75, 77, 83, 87, 89
2.6	7, 9, 11, 13, 17, 19, 21, 25, 27, 31

Section	Exercises
5.1	35, 45, 56, 57, 59, 67, 71, 75, 77, 89, 99, 109, 111, 113, 115
5.2	13, 15, 17, 21, 33, 35, 39, 43, 45, 47, 53, 55, 63, 71, 81
5.3	9, 11, 13, 17, 23, 27, 39, 41, 45, 47, 50, 52, 53, 57, 65
5.4	9, 11, 13, 15, 17, 19, 23, 27, 35, 43, 45, 47, 51, 53, 67
5.5	11, 13, 15, 19, 21, 23, 25, 27, 31, 35, 37, 39, 41, 45, 73

Section	Exercises
7.1	13, 27, 32, 33, 37, 44, 47, 51, 53, 73, 79, 83, 91, 93
7.2	13, 17, 25, 27, 41, 51, 53, 59, 67, 69, 71, 73, 77, 81, 83, 85, 87, 91, 95, 99
7.3	7, 9, 11, 27, 29, 33, 57, 59, 61,
7.4	13, 31, 44, 46, 47, 67

Section	Exercises
5.8	7, 9, 12, 13, 15, 23, 25, 27, 31, 33, 39, 57, 59, 61, 65, 67, 73, 77, 83, 95
8.1	9, 11, 15, 21, 24, 29, 31, 33, 35, 53, 57, 59, 63, 79, 81
8.2	7, 9, 11, 14, 21, 25, 27, 33, 39, 46, 47, 49
8.4	23, 25, 27
8.6	7, 9, 17, 19, 25, 27, 29, 31, 35, 37, 39, 42, 45, 47, 49
8.7	9, 23, 25, 31, 33, 35, 43, 47, 51, 53
8.8	7, 9, 11, 13, 21

Section	Exercises
9.1	9, 13, 19, 21, 23, 25, 27, 29, 33, 35, 37, 39, 44, 51, 53, 55, 61, 69, 71, 73
9.2	7, 9, 21, 23, 27, 35, 37, 39, 41, 46
9.3	19, 21, 25, 27, 29, 39, 45, 47, 49, 59, 67, 73, 79, 85, 89
9.4	11, 15, 17, 21, 25, 29, 31, 33, 35, 37, 39, 49, 51, 57, 69
9.5	13, 15, 17, 19, 21, 25, 27, 29, 31, 33, 35, 43, 47, 56, 63
9.6	9, 11, 13, 15, 17, 19, 21, 25, 29, 33, 37, 39, 41, 43, 45
9.7	23, 25, 27, 39, 41

Section	Exercises
3.1	9, 15, 17, 19, 25, 31, 33, 35, 41, 44, 45, 47, 49, 51, 53
3.2	11, 13, 17, 21, 25, 33, 35, 37, 43, 57, 11, 13, 17, 21, 25, 33, 35, 37, 43, 57
3.3	5, 9, 17, 21, 27, 29, 33, 37, 55, 57
3.4	9, 11, 14, 27, 31
3.5	6, 7, 9, 15, 19
3.8	9, 11, 19, 21, 27

Section	Exercises
4.1	15, 17, 19, 21, 23, 25, 27, 35, 37, 41, 49, 77, 79, 83, 95
4.2	31, 33, 35, 39, 43, 45, 51, 57, 63, 67, 73, 75, 78, 83, 89
4.4	7, 9, 11, 13, 17, 20, 25, 27, 38, 39, 44, 49, 51, 53, 55
4.5	9, 11, 13, 15, 20

*(Logic Chapter)*

Section	Exercises
3.1	1, 3, 5, 19, 21, 25, 27, 29, 33, 41, 43, 47, 49, 50, 51, 53, 54, 65, 69, 73
3.2	3, 7, 11, 13, 15, 17, 33, 49, 51, 53, 55, 63, 65, 69, 70
3.3	1, 9, 15, 25, 29, 31, 36, 37, 49, 51, 54, 59, 61, 65, 67, 79
3.4	1, 3, 9, 11, 13, 17, 25, 29, 33, 35, 41, 44, 45, 47, 49
3.6	5, 7, 9, 13, 15, 17, 19