

**Math 11000 Fundamentals of Algebra  
Final Exam Practice Problems**

**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.*

Problems on the departmental final exam may be similar to problems chosen from the list below. Try to do each problem without looking at your textbook or solution manual. If you have successfully mastered all of the problems from this list and want more practice, then do other problems from each section of the textbook that are similar to those listed below.

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|-----|----------------------|-----|--------------------|
| 1.1 | 18, 35, 65, 67, 95   | 8.6 | 25, 27, 37, 45, 47 |
| 1.2 | 52, 71, 93, 111, 133 | 8.7 | 9, 23, 33, 43, 51  |
| 1.3 | 37, 45, 60, 69, 83   | 8.8 | 7, 9, 11, 13, 21   |
| 1.4 | 16, 29, 31, 38, 39   |     |                    |
| 1.5 | 17, 21, 29, 45, 55   | 9.1 | 19, 44, 51, 53, 71 |
| 1.6 | 17, 27, 31, 81, 103  | 9.2 | 7, 21, 27, 35, 41, |
|     |                      | 9.3 | 19, 25, 39, 47, 89 |
| 2.1 | 41, 49, 55, 61, 63   | 9.4 | 35, 37, 39, 51, 57 |
| 2.2 | 33, 43, 51, 57, 69   | 9.5 | 29, 33, 35, 47, 63 |
| 2.3 | 9, 25, 39, 59, 95    | 9.6 | 9, 17, 25, 33, 45  |
| 2.4 | 31, 33, 41, 45, 55   | 9.7 | 23, 25, 27, 39, 41 |
| 2.5 | 33, 39, 55, 57, 87   |     |                    |
| 2.6 | 7, 11, 17, 19, 27    | 3.1 | 19, 25, 33, 41, 49 |
|     |                      | 3.2 | 21, 25, 35, 37, 43 |
| 5.1 | 57, 59, 89, 109, 115 | 3.3 | 17, 21, 29, 37, 57 |
| 5.2 | 17, 21, 45, 55, 63   | 3.4 | 9, 11, 14, 27, 31  |
| 5.3 | 17, 23, 47, 52, 57   | 3.5 | 6, 7, 9, 15, 19    |
| 5.4 | 13, 17, 45, 47, 67   | 3.8 | 9, 11, 19, 21, 27  |
| 5.5 | 15, 21, 31, 45, 73   |     |                    |
|     |                      | 4.1 | 35, 37, 49, 77, 79 |
| 7.1 | 32, 44, 53, 79, 93   | 4.2 | 43, 51, 63, 67, 73 |
| 7.2 | 51, 77, 81, 87, 95   | 4.4 | 13, 20, 25, 44, 49 |
| 7.3 | 11, 27, 57, 59, 61   | 4.5 | 9, 11, 13, 15, 20  |
| 7.4 | 13, 31, 44, 46, 67   |     |                    |
|     |                      | 3.1 | 5, 25, 33, 43, 53  |
| 5.8 | 57, 61, 67, 83, 95   | 3.2 | 3, 13, 17, 53, 65  |
| 8.1 | 29, 31, 35, 59, 81   | 3.3 | 15, 49, 51, 61, 67 |
| 8.2 | 7, 21, 25, 39, 47    | 3.4 | 3, 11, 41, 45, 49  |
| 8.4 | 23, 25, 27           | 3.6 | 5, 13, 15, 17, 19  |
| 6.8 | 43, 49, 57, 60, 75   |     |                    |