

MATH 15300 College Algebra FINAL EXAM PRACTICE PROBLEMS

IU-eTEXT: Swokowski & Cole, *Algebra & Trigonometry with Analytic Geometry*, Classic 12th Edition

Below is a list of 117 problems from your textbook. Problems on the departmental final will be similar to problems from this list. You should do each practice problem at least three times or until you can do the problem without making any errors. Work each problem carefully and neatly, showing all necessary steps. 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.

FINAL EXAM: The final exam is a departmental comprehensive exam. More information about the common departmental final exam (practice problems, practice finals, etc.) can be found on the Mathematics Department's course web pages at <https://math.iupui.edu/math/undergraduate/courses>. The location of the final exam will be announced later on by your instructor.

The MATH 15300 Departmental Final Exam is Friday, May 1, 2020, from 6:00P-8:00P.

Students: Be sure that you do not have a work or personal conflict with the date and time of the common departmental final exam.

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|---------|---------|---------|----------------|
| 1.2 #29 | 2.4 #51 | 3.3 #35 | 5.1 #37 |
| 1.2 #43 | 2.4 #53 | 3.3 #37 | 5.2 #7 |
| 1.2 #45 | 2.4 #56 | 3.4 #9 | 5.2 #11 |
| 1.2 #71 | 2.5 #5 | 3.4 #27 | 5.2 #39 |
| 1.2 #77 | 2.5 #8 | 3.4 #45 | 5.2 #41 |
| 1.2 #83 | 2.5 #23 | 3.4 #49 | 5.3 #1 |
| 1.3 #35 | 2.5 #45 | 3.4 #53 | 5.3 #5 |
| 1.3 #79 | 2.5 #55 | 3.4 #71 | 5.3 #7 |
| 1.3 #97 | 2.6 #33 | 3.5 #4 | 5.3 #15 |
| 1.4 #37 | 2.6 #57 | 3.5 #7 | 5.3 #23 |
| 1.4 #45 | 2.6 #63 | 3.5 #12 | 5.4 #9 |
| 1.4 #51 | 2.6 #65 | 3.5 #14 | 5.4 #35 |
| 1.4 #73 | 2.7 #9 | 3.5 #29 | 5.4 #40 |
| 1.4 #81 | 2.7 #21 | 3.5 #41 | 5.4 #53 |
| 2.1 #41 | 2.7 #27 | 3.5 #51 | 5.4 #63 |
| 2.1 #71 | 2.7 #31 | 3.6 #9 | 5.4 #73 |
| 2.1 #73 | 2.7 #37 | 3.6 #21 | 5.5 #7 |
| 2.2 #11 | 3.1 #9 | 3.6 #33 | 5.5 #23 |
| 2.2 #13 | 3.1 #19 | 3.6 #41 | 5.5 #27 |
| 2.2 #17 | 3.1 #23 | 3.7 #7 | 5.6 #7 |
| 2.2 #33 | 3.2 #11 | 3.7 #15 | 5.6 #13 |
| 2.2 #35 | 3.2 #13 | 3.7 #27 | 5.6 #19 |
| 2.3 #29 | 3.2 #20 | 3.7 #33 | 5.6 #20 |
| 2.3 #37 | 3.2 #21 | 4.1 #23 | 5.6 #23 |
| 2.3 #53 | 3.2 #31 | 4.1 #25 | 5.6 #52 |
| 2.3 #59 | 3.2 #39 | 4.2 #3 | Chapter 5 |
| 2.3 #66 | 3.2 #45 | 4.2 #25 | Review |
| 2.4 #23 | 3.2 #51 | 5.1 #7 | #57 (page 343) |
| 2.4 #37 | 3.2 #67 | 5.1 #13 | #71 (page 344) |
| 2.4 #45 | 3.3 #31 | 5.1 #29 | |