

# Math 113 - Homework Exercises

Homework from the textbook is not assigned or collected in this course. Instead of assigning problems from the book, I have created some problems that will be answered on the computer and submitted for a grade. You will need your calculator while working these problems. You do not need Minitab or Statdisk.

There is a homework assignment for each chapter. Random data is used to generate the problems and so each homework assignment is slightly different, but the concepts and difficulty levels are the same for each chapter. Real data has been used when possible.

It is very important that you carefully read all of the material on the page.

If a question has a numeric answer, you will be told how many decimal places you need to give in your answer. This usually appears in parentheses after the answer box, but sometimes it is in the instructions. This is the minimum number of decimal places, you may give more. Many answers depend on previous answers but the intermediate steps are not rounded. That means that even though you may only need 2 decimals in the answer, you probably do your calculations with 4 or more decimals.

Here's an example to illustrate.

Give all answers with 2 decimal places. Start with 30. Divide by 7. Multiply by 13.  
 $30/7 = 4.285714286$  and  $30/7*13 = 55.71428571$ .

If you enter 4.29 and 55.71 (or 4.2857 and 55.714), you'll get both questions correct.

If you enter 4.29 and then  $4.29*13 = 55.77$ , you'll miss the 55.77.

When you click "Submit", the computer will provide immediate feedback by showing you which problems you have correct and giving you a chance to fix the ones that you missed. You may submit an exercise three times before you have to "Generate" a new set of exercises.

You may try each exercise as many times as you like, but you only get three attempts at each one. The highest grade that you get will be recorded in the gradebook, so feel free to practice until you master the exercises. There are going to be problems like the homework exercises on the exam, so you may want to revisit the exercises as part of your review for the exam.

Each chapter's homework exercises are worth 10 points and are due *before* the beginning of class on the day of the exam that covers that chapter. Late work will be accepted, but it will lose 20% of its value for each class period late.