Math 120, Spring 2012 Homework:

Turn in complete solutions to the textbook problems listed below. To receive full credit, you’ll need to:

✓ include all problems in the correct order and label each clearly so the grader can find it.
✓ STAPLE all your homework pages together, in order.
✓ Write your full name and quiz section.
✓ Turn in full solutions, including pictures, setting up, equations used, and showing all main steps in your solutions. There will be little or no credit for questions with missing or incomplete work.
✓ Use correct notation. For instance, do not use equal signs between unequal quantities.
✓ Write large enough and clearly enough that a grader can read your work.

Homework 1, collected Tuesday, April 3th. Read Chapters 1-3. Solve and turn in:

- Chapter 1, problems: 1.1, 1.2, 1.3, 1.5, 1.6 (c,d,e,g, i), 1.7, 1.8, 1.10, 1.12, 1.14, 1.16(c), 1.17
- Chapter 2, problems: 2.1(c,d), 2.3, 2.4, 2.5, 2.6, 2.7, 2.8 (a,c,f,g), 2.10, 2.11, 2.13
- Chapter 3, problems: 3.1, 3.2 (a,d), 3.3, 3.4, 3.5, 3.6, 3.8(a,d)

Homework 2, collected Tuesday, April 10. Read Chapters 4-6. Solve and turn in:

- Chapter 4, problems: 4.1, 4.3, 4.6, 4.7, 4.9, 4.10, 4.11, 4.12, 4.14, 4.15(a,b), 4.16
- Chapter 5 problems: 5.1(a), 5.3(a-d), 5.5-5.6, 5.7-5.8, 5.9, 5.10(a, c)
- Chapter 6, problems: 6.1, 6.2, 6.3, 6.4(a), 6.5, 6.6, 6.8, 6.9, 6.11(b,c), 6.12

Homework 3, collected Tuesday, April 17. Read Chapters 7-8. Solve and turn in:

- Chapter 7, problems: 7.1 (a,b,d), 7.2 (a, c,d), 7.3, 7.5, 7.6, 7.7, 7.8, 7.10, 7.11, 7.12, 7.14, 7.15, 7.16, 7.17, 7.19(a,b), 7.20 (a)
- Chapter 8 problems: 8.2(a,b,c,d), 8.6, 8.8 (a,b,c,d)  {CHANGE: 8.1, 8.3, 8.4 are now optional}

Homework 4, collected Tuesday, May 1. Read Chapters 9-12. Solve and turn in:

- Chapter 9 problems: 9.2, 9.3, 9.4, 9.5, 9.7, 9.8
- Chapter 10 problems: 10.1, 10.2, 10.3abc, 10.5
- Chapter 11 problems: 11.1, 11.2
- Chapter 12 problems: 12.1, 12.4, 12.7, 12.8, 12.9, 12.11

Homework 5, collected Tuesday, May 8. Read Chapters 13-14. Solve and turn in solutions for:

- Chapter 14 problems: 14.1, 14.3, 14.4, 14.5, 14.6, 14.7, 14.9, 14.10

Homework 6, collected Tuesday, May 22. Read Chapters 15-18. Solve and turn in solutions for:

- Chapter 15: problems 15.1(a,c), 15.3, 15.4, 15.6, 15.8, 15.9
- Chapter 16: problems 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8
- Chapter 17: problems 17.1, 17.2, 17.3, 17.4, 17.7, 17.8, 17.11 & 17.5, 17.6, 17.10, 17.12
- Chapter 18: problems 18.1(a,b), 18.2, 18.3, 18.5.

Homework 7, collected Tuesday, May 29. Read Chapters 19-20. Solve and turn in solutions for:

- Chapter 20: problems 20.1 (a1, b1,c), 20.2, 20.4, 20.6, 20.7, 20.8(e-i), 20.10(a,b,e), 20.12
  (If you need extra practice, also do 20.5, all the subparts of 20.8, and all the subparts of 20.10)

NOTE: Keep a copy of your Homework 7 before turning it in, since it may not be returned to you before the Final.
Each homework is graded out of 20 points: three questions will be graded for correctness (usually, out of 5 points each), with the remaining 5 points assigned for the degree of completion of your homework.

The point of doing the homework is to master the material and the skills taught in this course. The point is NOT to just turn something in or even to get a good grade on your homework (though that’s nice too). To do well in this class, you need to work on your homework carefully and regularly, throughout the entire week. Some problems are straightforward, but many will require careful reading, multiple tries, and lots of thinking. Try reading the textbook and your lecture notes first. Getting help is perfectly fine, as long as: 1) you gave it a good try first, 2) you write your own solutions, and 3) you learn how to solve similar problems on your own and are able to do so in the future. Copying your homework from someone else (or using your own last quarter’s homework if you’re re-taking the class) is not OK. The “Preface” of your textbook has some good problem-solving tips.