

**Homework**  
MATH141-02  
Spring 2012

**A very IMPORTANT part of your homework is to READ every section of the textbook which we cover.**

We are **supposed** to cover these first four chapters **very** quickly. Much of this should be review for you. I am assigning problems that I regard as challenging or that I regard as particularly important. Part of your goal in these four chapters is to see how the treatment in this textbook corresponds to what you have seen in a previous course and how it corresponds to those topics that I have had time to mention in class.

- Section 1.2: page 42–44, Exercises # 1,3,13,15,43,53,81
  - Section 1.3: pages 63,64, Exercises # 11,35,45,79
  - Section 1.4: page 80, Exercises # 21,25,27,39, handout
  - Section 1.1: pages 18,19, Exercises # 7,27,39
  - Section 1.5: pages 96,97, Exercises # 13,15,19,53,55, handout
  - Section 1.6: page 116–118, Exercises # 13,17,19,23,59,77,79,85, handout
  - Section 2.1: pages 147,148, Exercises # 33,57,65,67,79,handout
  - Section 2.2: pages 168,169, Exercises # 23,29,39,47,51,53,55,85
  - Section 2.3: page 187, Exercises # 25,29,31,39,47,53
  - Section 2.5: pages 221,222, Exercises # 13,15,17,19,29,35,59,61,63,71
  - Section 2.6: page 239, Exercises # 23,43,55, handout
  - Section 2.7: page 255, Exercises # 47,55,59,61
  - Section 3.3: page 317, Exercises # 57,67, handout
  - Section 3.1: page 289, Exercises # 43, 45, 49, 51, 71
  - Section 3.2: page 301,302, Exercises # 13,37
  - Section 3.5: pages 358,359, Exercises # 27,31, 69, 73, 71, handout
  - Section 3.6: page 369, Exercises # 7,9,11,13,17,21,27,31
  - Section 4.1: pages 397–398, Exercises # 11,13,15,21,25,27,41,47,63,71
  - Section 4.2: page 413, Exercises # 5,9,, handout
  - Section 4.3: pages 429,430, Exercises # 9,11,13,17,21,41,43,45,51,53,75,79,81,99,101,103,hand-  
outs
  - Section 4.4: pages 438, 439, Exercises # 9,17,21
  - Section 4.5: page, 449, 450, Exercises # 13,15,19,25,27,35,41,47,51,61,63,65,67,75,81
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Section 5.1: pages 475–477, Exercises # 15,17,19,25,27,31,47,55,57,59,63,67,69,71,73,  
75,77,79,81,83,85,93,97,105,113

Section 5.2: pages 490–492, Exercises # 7, 23, 9,25,11,27,13,29,15,31,17,33,19,35,21,37, 39,43,51,53,55,57,59,61,63,65,69,71,73,83,85,87,113,121,135,handout

Section 5.3: pages 498–500, Exercises # 7,9,11,19,21,23,25,27,29,31,33,35,43,47,49,51,63,65

Section 5.4: pages 515–517, Exercises # 7,17,21,23,25,27,29,31,33,35,37,41,43,47,49,51,55,61, 63,67,71,79,87,93, handout

Section 5.5: pages 530–532, Exercises # 9,11,13,15,17,27,29,31,33,35,37,39,41,45,49,63,77,79

Section 5.6: pages 547,548, Exercises # 7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,39,41,43, 45,51,57,61,65,71,79,81,85

Chapter 5 Review: pages 554,555, Exercises # 7,31,33,45,55,57

Section 6.1: pages 569–571, Exercises # 7,9,11,13,15,17,19,21,23,25,27,33,35,39,61,65,69,73, 75,77,83,107,109, handout

Section 6.2: pages 582,583, Exercises # 7,11,13,17,21,33,37,39,41,45,47,51,53,55,57,61,75,77,81

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Section 6.3: pages 593–595, Exercises # 13,17,19,21,29,31,33,35,37,39,41,43,45,47,49,55,57, 59,61,63,65,67,69,71,87,91,93,95,103, handout

Section 6.4: page 602, Exercises # 7,9,11,13,15,21,23,31,33,39,45,55,57, handout

Section 6.5: pages 615–617, Exercises # 5,9,19,21,23,25,27,29,31,39,41,47,49,51,57,75,79,81,Read 83, handout

Chapter 6 Review: pages 620,621, Exercises # 19,21,39,55,59

Section 7.2: pages 647,648, Exercises # 21,27,33,39,41,47,51, handout

Section 7.1: page 636, Exercises # 11,13,33,35

Section 7.4: pages 680,681, Exercises # 9,11,13,17,19,21,23,27,29,31,33,35,39,41,47,51,53,55, 57,59,61

Section 11.1: page 971, Exercises # 9,15,21,23,25,27,47,49

Section 11.2: pages 982,983, Exercises # 7,11,13,15,19,21,25,27,33

Section 11.3: pages 997,998, Exercises # 7,9,11,13,15,17,19,23,25,29,35,37,39,41

Appendix C4 (or B4) on Parametric Equations: handout

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Section 11.5: page 1029, Exercises # 5,7,9,15,17,23,27,29,31,37, handout