

Math151 Assignment Sheet
Text: *Calculus: Concepts and Contexts* by James Stewart,
4th Edition

| Sections: | Problems: |
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| 1.1 (optional) | 1,5,7,15,25,27,29,43,45,59 |
| 1.2 (optional) | 1,5,9,11,13,15 |
| 1.3 (optional) | 1,3,9,11,13,15,23,27,31,33,39,41,45,47,49,50,51,53,59 |
| 1.4 (optional) | 1, 5, 7, 9, 11, 13, 15, 17, 19, 21, 29, 34, 37. |
| 1.5 (optional) | 1,3,4,7,9,11,13,17,19,21,23,27,29 |
| 1.6 (optional) | 1,5,7,9,13,15,17,18,19,21,25,27,29,33,35,39,41,43,49,50,51,53,55,59 |
| 1.7 (♣) | 1,3,5,7,9,11,13,15,17,19,21,22,23,25,27,29,39*,45* |
| Review Exercises Page 81 (optional) | 1,2,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,23,24,25,26,27,29,31,32,33. (Instructors may want to provide answer keys for the even exercises.) |
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| 2.1 | 1,3,5,7,9 (This section may be combined with section 2.6) |
| 2.2 | 1,3,5,9,13,15,17,19,21,25,27,29,31 |
| 2.3 | 1,2,3,5,7,9,11,13,15,17,19,21,25,27,29,31,33,35,37,39,47 |
| 2.4 | 1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,39,41,45,51* |
| 2.5 | 1,3,5,7,9,11,13,15,17,19,21,23,27,29,31,33,35,37,39,43,46,47,51,53,54,55 |
| 2.6 | 1,3,5,7,8,11,13,15,17,21,25,27,29,31,33,35,37,39,41,47,49,51,53 |
| 2.7 | 1,3,5,7,9,11,15,17,19,21,25,27,35,41,43,47,51 |
| 2.8 | 1,5,9,13,15,17,19,21,23,25,27,29,31 |
| Review Exercises Page 164(optional) | 1,2,3,4,5,6,7,8,9,10,13,14,17,19,21,23,25,27,29,33,34,35,37,39,40,41,42,43,45,48 (Instructors may provide answer keys for the even exercises.) |
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| 3.1 | 1,3,5,7,9,11,13,15,17,19,21,25,29,31,33,43,45,47,49,51,53,55,57,59,61,63,69 |
| 3.2 | 1,3,5,7,9,13,15,17,19,21,23,25,29,31,33,37,39,41,43,45,47,49,51,53 |
| 3.3 | 1,3,5,9,11,13,15,17,19,23,25,27,29,31,33,35,37,39,41,43,45 |
| 3.4 | 1,3,5,7,11,13,15,17,19,21,23,25,27,31,33,35,39,41,45,47,49,51,53,55,59,61,65,69,73,75,79,81,83,85 |
| 3.5 | 1,3,5,7,9,11,13,17,21,23,25,27,29,35,39,41,43,47,53 |
| 3.6 | 1,3,5,9,17,19,21,23,25,27,33,35,37,39 |
| 3.7 | 1,3,5,7,9,11,15,17,21,23,25,29,33,35,37, 39,41,43,45* |
| 3.8 | 1,5,7,9,11,13,15,17,19,20,21,27,33 |
| 3.9 | 5,7,9,11,13,19,23,25,27,29,31, 33* |
| Review Exercises Page 248(optional) | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,29,30,31,33,34,37,39,41,42,45,47, 49,51,52,53,55,57,59,60,61,63,64,65,66,67,68,69,72,75,76,77,78 (Instructors may provide answer keys for the even exercises.) |
| | |
| 4.1 | 1,5,7,11,13,15,17,19,21,25,27,29,31,33,35,37,43* |
| 4.2 | 1,3,5,7,9,11,13,15,17,19,21,25,27,29,33,35,39,43,45,47,49,51,53,59,61 |
| 4.3 | 1,3,4,5,7,11,15,17,19,23,27,29,31,33,35,39,41,43,45,51,59,63,64 |
| 4.4 | 1,5,7,9,11,15,23,25,27,29,31 (Some problems require the use of computer algebra systems (CAS) and may be assigned as computer lab exercise problems.) |

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| 4.5 | 1,2,3,4,5,7,9,11,13,17,19,21,23,27,29,31,33,35,37,39,41,45,47,51,55,57,63,65 |
| 4.6 | 1,3,5,7,9,11,13,15,17,19,23,25,31,37,51,53,54,59 |
| 4.7 | 1,3,5,9,13,19,21,23,25,29 |
| 4.8 | 1,3,5,7,9,11,13,15,17,19,21,23,25,27,31,33,37,39,41,43,49,51,55 |
| | |
| Review Exercises Page 324(optional) | 1,3,5,7,9,10,13,15,19,25,27,28,29,30,31,32,33,34,35,37,39,41,45,46,49,51,52,53,55,57,59, 61,63(c) (Instructors may provide answer keys for the even exercises.) |
| 5.1 | 1,3,5,7,9,11,13,15,17,21 (Some problems require the use of a CAS or a calculator program or combination of sum and sequence commands on a TI calculator.) |
| 5.2 | 1,3,5,7,9,11,13,15,17,19,21,27,31,33,35,37,40,41,43,45,47,53 |
| 5.3 | 1,3,5,6,7,8,9,11,13,14,15,17,19,20,21,23,25,27,28,31,33,37,39,41,43,49,51,53,59,61,63,65,74* |
| 5.4 | 1,3,5,7,9,11,13,15,17, 19,21,25,27*,29,31* |
| 5.5 | 1,3,5,7,9,11,13,15,17*,19,21,25,27,29,31,33,35*,39,41,43,45,47,49,51, 53,55, 57, 59,61*,65,67,69*,71* |
| Review Exercises Page 425(optional) | 1,2 (a)(c)(d), 3,4,5,7,8,9,11,12,13,14,15,17,18,19,21,23,28,33,35,37,39,40,63,65,70,71*,74. (Instructors may provide answer keys for the even exercises.) |

♣: This section is optional, but is strongly recommended to study this section at the beginning of the semester due to the fact that parametric equations occur in many places throughout the study of calculus.

*: The problem may be tough or optional.

Note to Instructors and Students:

Chapter 1 is a review chapter. It reviews what students learned in pre-calculus. Although chapter 1 is optional, it's strongly recommended that students review the material covered in chapter 1 at the beginning of the semester and re-visit chapter 1 material as needed throughout the semester.