

**Mathematics 110 – Calculus of one variable**  
Trent University 2003-2004

HOMEWORK SET #2

We will be moving through Chapters 3 and 4 rather quickly, so make sure to keep up! We will probably not cover all of these in either section, but it would be a good idea to at least skim through the parts your section omits.

1. §3.1 Exercises # 5, 9, 11, 19, 25, 39, 45, 47, 49, 55, 59
  2. §3.2 Exercises # 3, 5, 7, 11, 19, 21, 23, 25, 27a, 31, 33, 37, 41, 43
  3. §3.3 Exercises # 7, 9, 11, 13, 14, 17
  4. §3.4 Exercises # 3, 9, 11, 17, 20, 21, 23, 25a, 29, 33, 35, 39, 45, 47
  5. §3.5 Exercises # 1, 3, 5, 9, 17, 21, 23, 27, 39, 41, 43, 49a, 51, 53
  6. §3.6 Exercises # 3, 5, 11, 13, 15, 19, 23, 27, 29, 35, 37, 41, 43, 45, 53, 59, 61, 67
  7. §3.7 Exercises # 3, 5, 7, 11, 13, 23, 25, 27, 31, 33, 35, 37, 39, 43, 45, 47, 53, 55, 57
  8. §3.8 Exercises # 3, 7, 11, 15, 17, 21, 23, 25, 29, 31, 35, 37, 39, 41, 45, 47
  9. §3.9 Exercises # 7, 9, 23ag, 31, 35, 43, 49
  10. §3.10 Exercises # 1, 3, 9, 11, 13, 15, 17, 21, 23, 29, 31, 32
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1. §4.1 Exercises # 5, 7, 9, 11, 13, 17, 21, 25, 29, 31, 37, 43, 47, 49, 53, 55, 59, 61, 65b, 75
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  6. §4.7 Exercises # 3, 5, 9, 11, 17, 19, 23, 27, 29, 31, 35, 53, 59

**On Problems**

Our choicest plans  
    have fallen through,  
our airiest castles  
    tumbled over,  
because of lines  
    we neatly drew  
and later neatly  
    stumbled over.

*Piet Hein*