

Updated & Revised – Feb 6, 2012

Math 053 Study Guide to Prepare for Unit Tests (Supplement to Course Outline)

Use this guide to prepare for unit tests. It gives you practice in the skills needed to succeed on each unit test. (*\*do **not** do **DW, Skill Maintenance** or **Synthesis** questions*)

Unless otherwise indicated, round all answers to the nearest 10<sup>th</sup> (1 decimal place), (*\*except answers involving money – they are usually rounded to the nearest cent*).

*\*A note about Word Problems: there are word problems sprinkled throughout the exercise sets. See the end of this guide for a super-simple 4-step method to break them down and make them clear. Ask instructor for help to get started.*

053 Unit 1 Chapter 7

Exercise Set 7.1  a ,  b

Exercise Set 7.2  a ,  b ,  c ,  d ,  e

Exercise Set 7.3  a 1-49  b ,  c

Exercise Set 7.4  a 1-75, 81-89,  b 93, 95, 99

Exercise Set 7.5  a 1-49 ,  b

Exercise Set 7.6  a ,  b ,  c 49-61

Exercise Set 7.7  a 7-11,  b 13-27,  c 37-47, 55-63  d 65-81,  e 87-99, 105-115

Exercise Set 7.8  a ,  b ,  c ,  d 41-79

053 Unit 2 Chapter 8

Exercise Set 8.1  a ,  b 13-47

Exercise Set 8.2  a

Exercise Set 8.3  a 1-13,  b 17-51,  c 59-79

Exercise Set 8.4  a ,  b

Exercise Set 8.5  a

Exercise Set 8.6  a 1-5, 9-35

Exercise Set 8.7  a ,  b ,  c ,  d ,  e 49-65, 73-75

053 Unit 3 Chapter 9

*\*Note that only Sections 9.1-9.3 are required*

Exercise Set 9.1  a ,  b ,  c 23-27  d ,  e

Exercise Set 9.2  a ,  b

Exercise Set 9.3  a ,  b 25-27,  c 37-47, 51

*\*Suggest not to do questions in the **Summary & Review** nor the **Chapter Test**, as they go beyond what is needed and can stump you.*

## 053 Unit 4 Chapters 10&11

*Exercise Set 10.1*  a ,  b ,  c 27-37,  f ,  d,f ,  e,f

*Exercise Set 10.2*  a,b ,  c ,  d

*Exercise Set 10.3*  b ,  c ,  d ,  e 45-53,  f 61-69,  h

*Exercise Set 10.4*  a 1-11  b ,  c

*Exercise Set 10.5*  a ,  b ,  c 27-37,  d 53-69

*Exercise Set 10.6*  a 1-31, 35-39,  b 43-55,  c 63-73

*Exercise Set 10.7*  a 1-11,  b ,  c ,  d ,  e ,  f 41-71

*Exercise Set 10.8*  a ,  b 25-35

*Exercise Set 11.1*  a ,  b 13-29,  c

*Exercise Set 11.2*  a 1-9, 13-39, 55-61

## Final

The final has its own Practice Test. To prepare to write the Final, ask the Help Centre for 1 or both copies of the 053 Practice Tests and answer key(s).

Word Problems Steps: (*\*these have worked VERY well with most students*)

1. Write down what you're looking for (simplified)
2. List the info they gave you, in point form  
(VERY useful to draw a picture – we THINK in pictures)
3. Use an equation to find what you're looking for (i.e., SOLVE)
4. Check to see if your answer makes sense (is it logical/reasonable?)