

# Suggested Problems For 8<sup>th</sup> Edition

- **Note:** These suggested problems are from the **8th Edition** of the textbook. If you are using the 7th edition, then use [these](#) instead. But first read [this](#).

## Suggested Problems #1

- Math 1A03/1ZA3 Test #1 will be based on the sections from the following problems plus proper computer card filling (see last year's test and the scantron instructions below)

### Assumed background material

1.1 #4, 7, 8, 9, 10, 53, 73  
1.3 #3, 37  
1.4 #17, 21  
2.3 #13-30(odd), 43, 49, 52  
2.6 #27, 30-34, 37, 40

### Explicitly Covered Material

Appendix D #15, 16, 23-31, 46, 47, 52, 59, 67, 68, 69, 71  
1.5 #15-17, 18, 21, 22, 25, 26, 35-38, 41, 51-55, 57, 61, 62, 63, 64, 65, 71  
2.5 #3, 5, 23, 27, 33, 34, 41, 42, 43, 45, 46, 47, 51, 53, 55  
2.7 #3(a,b), 7 (Use Definition #1, i.e. First Principles), 17, 20, 22, 23, 27, 33 (Again, for 27, 33 use First Principles), 37-42 56, 57  
2.8 #1, 3-11, 13, 23, 26, 27, 32(a,b,c), 41, 42, 43, 49, 50  
3.1 #4, 18, 21-29, 32, 49, 55, 69  
3.2 #3-10, 28, 31, 43-46, 49, 50-52, 54, 62, 63  
3.3 #1-10, 23, 26(a), 28, 33, 35, 36, 38, 51  
4.8 #1, 3, 7, 21, 33  
3.4 #13, 21-35, 41, 53, 59, 61-65, 68, 69, 71, 73, 77  
3.5 #3, 5, 6, 7-17(odd), 19, 20, 21, 25, 30, 39, 49-51, 54, 77(b), 78  
3.6 #7, 12, 19, 21, 28-33, 36, 37, 43-50  
3.11 #3, 9, 17, 21, 23, 24, 31-39(odd), 51, 57  
4.1 #7-13, 25, 26, 37-43(odd), 53, 54, 55, 59, 60, 61, 77

- Here is a [problem sampler](#), and here is [last year's test](#) (with answers)
- Read important [instructions](#) on how to fill out the computer card

## Suggested Problems #2

- Math 1A03/1ZA3 Test #2 will be based on the sections from the following suggested problems plus proper computer card filling (see last year's test and the scantron instructions below).

4.2 #3, 5, 9, 11, 13, 15, 19, 25, 26

4.3 #5, 7, 9, 13-16, 18, 35, 36, 41, 45, 46, 55, 89

4.4 #1-4, 13, 19, 25, 32, 35, 43, 44, 47, 49, 55, 57, 58, 59, 63, 64

4.5 #9, 13, 15, 22, 29, 46, 52, 53, 56

4.7 #3, 7, 15, 16, 21, 25, 27, 37, 38, 80

4.9 #1-8, 11-20, 33, 38, 41, 43, 45, 46, 47, 51, 52, 53, 61

Appendix E #7, 8, 9, 15, 16, 17, 31, 32, 33, 41, 43, 45

5.1 #4, 5, 7, 21, 27

5.2 #1, 3, 5, 7, 10, 11, 17, 21, 22, 23, 29, 33, 34, 37, 39, 47, 49

5.3 #2, 3, 5, 7, 8, 15-35(odd), 38-43, 61, 69, 73, 75

5.4 #5-17(odd), 18, 23, 27, 31, 37, 38, 59, 62

5.5 #3, 5, 6, 7, 10, 15, 21-33(odd only), 46, 48, 53-71(odd only), 70, 77, 90

- Here is a [problem sampler](#), and here is [last year's test](#) (with answers)
- Read important [instructions](#) on how to fill out the computer card

## Suggested Problems #3

- These suggested problems cover the material after Test #2.

6.1 #1, 3, 4, 5, 9, 17, 19, 23, 25, 27, 35, 57, 59, 60

6.2 #1, 2, 6, 7, 9, 11, 12, 13, 23-26, 29, 48

6.4 #1, 3, 5, 6, 7, 15, 16, 17, 18, 21

6.5 #1, 2, 5, 7, 8, 9, 12, 14, 16, 17

7.1 #3-21(odd), 25, 26, 29, 30-33, 38, 41, 42, 69, 71

7.2 #3, 5, 6, 7, 11, 15, 18, 23, 24, 25, 27, 39, 44, 47, 50, 54, 57, 65

7.3 #1, 5, 10, 11, 12, 13, 15, 17, 18, 26, 30, 31, 33, 34, 44

7.4 #1, 3, 5, 7-9, 11, 12, 13, 15, 16, 20, 21, 22, 24, 27, 35, 38, 45, 53, 64

8.1 #1, 2, 9-13, 45

7.5 #7-13(odd) 14, 15, 16, 17, 19, 25, 29, 32, 36, 41, 42, 45, 48, 50, 53, 54, 58, 72, 73, 75, 78

- Here is the last [problem sampler](#), and here is last year's [exam](#) (with answers)