* **Suggested Problems #1**
* Math 1B03 Term 2/1ZC3 Test #1 will be based on the sections from the following problems plus Matlab plus proper computer card filling (see last year's test and the scantron instructions below)  
    
  **Chapter 1:**  
  1.1 #5,7,9,13,21, T/F (a),(c),(e),(h)  
  1.2 #1,3,5,7,25, T/F (f),(h),(i)  
  1.3 #1,5,11,15,29,35, T/F (h),(i),(j)  
  1.4 #3,11,17,33,46, T/F (b),(c),(d),(e)  
  1.5 #1,3,5,7,11,29  
  1.6 #1,3,15,17, T/F (b),(c),(e),(f)  
  1.7 #19,21,26,34,35,41,43,44,45 T/F (b),(c),(f),(i)  
    
  **Chapter 2:**  
  2.1 #3,17,21,25,31,36  
  2.2 #9,13,17,21,26, T/F (a),(b),(c),(e)  
  2.3 #17,19,33,35, T/F (a),(b),(c),(f),(g)  
    
  **Chapter 5:**  
  5.1 #7,9,11,28,33,34,35, T/F (a),(b),(c)  
  5.2 #5,7,14(ans: 1,3,not diagonalizable),19,36, T/F (c),(d),(e),(f)
* Here are two [sample tests](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_group_content=1&group_number=2) (with answers)
* Read important [instructions](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_content=1) on how to fill out the computer card
* **Suggested Problems #2**
* Math 1B03 Term 2/1ZC3 will be based on the sections from the following suggested problems plus Matlab plus proper computer card filling (see last year's test and the scantron instructions below).  
    
  **Chapter 5:**  
  5.4 #1,2,7,9,12, T/F (a),(b),(c),(d)  
    
  **Chapter 10** (from the 9th Edition, answers given below):  
  [10.1](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_group_content=1&group_number=1) #5,11,17,19,21,22  
  [10.2](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_group_content=2&group_number=1) #9,11,15,16,19,21,33,35  
  [10.3](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_group_content=3&group_number=1) #3,5,7(b),(c),11,14,15  
    
  **Chapter 3:**  
  3.1 #7,13,17,19,21,23,27  
  3.2 #7,13,15,17,27, T/F (d),(e),(g),(h)  
  3.3 #15,21,27,31,33,38, T/F (b),(c),(d),(f)  
  3.4 #1,9,13,15,23, T/F (d),(f)  
  3.5 #15,17,25,29,34,36  
    
  **Chapter 4:**  
  4.1 #1,2,5,7,11  
  4.2 #1,2,3,7,10,11,13 T/F (e),(g),(h),(j)
* **Chapter 10 Answers:**  
  **10.1** #**5.** 2+3*i*,-1-2*i*,-2+9*i*, **11.** 76-88*i*, **17.** 0,**19.** [1+6*i* -3+7*i*;3+8*i* 3+12*i*],[3-2*i* 6+5*i*;3-5*i* 13+3*i*],[3+3*i* 2+5*i*;9-5*i* 13-2*i*],[9+*i* 12+2*i*;18-2*i* 13+*i*], **22.** -1±*i*,1/2±sqrt(3)*i*/2  
  **10.2** #**9.** -7/625-24*i*/625, **11.** (1-sqrt(3))/4+(1+sqrt(3))*i*/4, **15.** -1-2*i*,-3/25-4*i*/25, **19.** -*y*,-*x*,*y*,*x*, **33.** (1+*i*)*t*,2*t*, **35.** [*i* 2;-1 *i*],[0 1;-*i* 2*i*]  
  **10.3** #**3.** 2[cos(pi/2)+*i*sin(pi/2)],4[cos(pi)+*i*sin(pi)],5sqrt(2)[cos(pi/4)+*i*sin(pi/4)],12[cos(2pi/3)+*i*sin(2pi/3)],3sqrt(2)[cos(-3pi/4)+*i*sin(-3pi/4)],4[cos(-pi/6)+*i*sin(-pi/6)], **5.** 1,   
  **7.** sqrt(6)/2+sqrt(2)*i*/2,-sqrt(6)/2-sqrt(2)*i*/2;3/2+3sqrt(3)*i*/2,3/2-3sqrt(3)*i*/2, **11.** ±2,±2*i*, **14** 16, i/2^18 **15.** -3,0;-3,0;0,-sqrt(2);-3,0
* Here are two [sample tests](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_group_content=2&group_number=2) (with answers)
* Read important [instructions](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_content=1) on how to fill out the computer card
* **Suggested Problems #3**
* These suggested problems cover the material after Test #2.  
    
  **Chapter 4:**  
  4.3 #1,3,9,22,23(b), T/F (b),(d),(f),(g)   
  4.4 #13,17,19,27, T/F (a)-(d)  
  4.5 #4[ans: (4,1,0,0),(-3,0,1,0),(1,0,0,1)],7,8,9,11,15 T/F (b)-(e)  
  4.7 #3,9,15,17,19, T/F (a),(c),(d),(i)  
    
  **Chapter 6:**  
  6.3 #7,9,23,29,31,35 T/F (a),(b),(e)  
    
  **Chapter 10:**  
  10.14 #1,2,3,7,8
* Here is a [sample exam](https://www.childsmath.ca/childsa/forms/1zcStuff/announce.php?get_group_content=3&group_number=2) (with answers)