

University of Toronto at Scarborough  
Department of Computer and Mathematical Sciences

Linear Programming and Optimazation

MATB61 Winter 2020

**Assignment # 6**

The midterm test will cover materials in weeks 1 – 6 lecture notes, assignments 1 – 6 **except Duality**, and Textbook: Chapters 1 & 2. In your tutorial of the week March 2<sup>nd</sup>, you will have a quiz based on the duality in this assignment.

There will be no tutorials in the week of Feb. 24<sup>th</sup>.

Midterm Test  
Wednesday, February 26<sup>th</sup>, 5 – 7pm  
Room assignment  
IC130 (Last name A – Y)  
IC120 (Last name Z)

Please make sure that you know your tutorial number. The following will be shown in your midterm test.

**Circle your tutorial: (2 points)**

Tutorial 1  
Thursday 18:00-19:00  
Bhakti Bhatt

Tutorial 2  
Tuesday 18:00-19:00  
Hussein Nassereddine

Tutorial 3  
Friday 14:00-15:00  
Hanbin Li

Tutorial 4  
Friday 09:00-10:00  
Hanbin Li

Tutorial 5  
Monday 9:00-10:00  
Hanbin Li

Tutorial 6  
Thursday 9:00-10:00  
Hussein Nassereddine

The following problems are not to be handed-in.

**Textbook:** Elementary Linear Programming With Applications  
B. Kolman & R. Beck, 2<sup>nd</sup> edition

**Reading:** Chapter 2 section 3 and Chapter 3 section 1

**Problems:**

Section 2.3 Using Big M method to solve #1 - #6, # 10 - #23  
Section 3.1 #1 - #8, #11