University of Toronto at Scarborough
Department of Computer and Mathematical Sciences

MAT A31   **Fall 2022**
Assignment # 1

You are expected to ***work on this assignment*** prior to your tutorial.
The tutorials start in the week of September 12, 2022.

In your tutorial in the **week of September 27, 2022** you will be asked to write **Quiz 1 based on A1 & A2** and related material from the lectures notes.

DO NOT hand in this assignment.

A. Readings: 1. 'Calculus, Single variable' L.Taalman, P. Kohn
                                  Chapter 0: *Functions and Precalculus*. Sections 0.1-0.3
                                  and Sections 0.1*-0.3*
                                  (Chapter 0* is posted in Reading Material on Quercus).
                                2. Week 1: Complete Lectures

Note: The aim of this assignment is to help the students in reviewing some precalculus topics.
Please, read the corresponding sections prior working on the problems.

B. Problems

            1. Ch 0.1: ## 16, 25, 36.
            2. Ch 0.2: ## 9, 26, 51, 53, 58, 65.
            3. Ch 0.3: ## 13, 15, 16, 31, 41, 54, 77.
            4. Ch 0.1*: ## 10, 16, 43, 50, 69.
            5. Ch 0.2*: ## 62, 70.
            6. Ch 0.3*: ## 5, 11, 17, 52.

Please review the material covered in **A31 W1 Notes** posted on Quercus.