STA457H1/STA2202HF: Time Series Analysis	
Assignment 2 - Question 1	**Due data October 14, 2022**

Student Name..ID number..

Instructions: *Show your answers in details.*

Q1 (1 points): For the Box and Cox power transformations, use calculus to show that, for any fixed $x > 0$, as $\lambda \to 0$, $(x^\lambda - 1)/\lambda \to \log(x)$.