Assignment 3 - Solution   [Please insert your name]

Exercise 1: Unconstrained Optimization of a Quadratic Problem

Exercise 2: Constrained Optimization with Parametrization

Exercise 3: Optimization on the Unit Circle

  (a)

  (b)

  (c)

Exercise 4: Lagrange Multipliers and Bordered Hessian

  (a)

  (b)

  (c)

Exercise 5: An Application to Economics

  (a)

  (b)

  (c)

Exercise 6: Maximisation Using the KKT Conditions