Useful Extra Exercises

Book: Introduction to Nonlinear Optimisation

Unconstrained optimisation: 2.6, 2.7, 2.9
Gradient Method: 4.9
Convex Sets: 6.1, 6.2, 6.3, 6.4, 6.9, 6.17
Convex Functions: 7.1, 7.5, 7.12, 7.13, 7.14, 7.16, 7.17, 7.18, 7.19, 7.25, 7.28, 7.29, 7.33, 7.34, 7.35
Convex Optimisation: 8.1, 9.1
KKT conditions 10.8, 10.9, 10.11, 11.1, 11.2, 11.4,