CIE6010/MDS6118 (F2018) **Assignment 1**

Name (Chinese and English): _____

Course Number (taken by you): _____

A general optimization problem is

$$\min \quad f(x)$$
$$\text{s.t.} \quad x \in \mathcal{X}$$

Exercise 1.1.8

- The objective function is
$$f(x) =$$

- The feasibility set is
$$\mathcal{X} =$$

- When $v = w$, the solution is
$$x =$$