## Homework11

## Zhihao Wang

04/15/2022

## 4.3.6

(a)

Refer to **Theorem 4.19**,  $x \in \mathbb{R}^{\not\succeq}$ ,  $u \in U \subset \mathbb{R}^{\not\succeq}$ ,  $u = P_U(x)$  when we get the closet distance.