3rd Report for Topics in Mathematical Optimization

Tokyo Institute of Technology Department Mathematical and Computing Sciences MITUHIRO FUKUDA

Due date July 5, 2013

- 1. Give an example of a function in the class $\mathcal{S}^{1,1}_{\mu,L}(\mathbb{R}^n)$ which is different from the ones given in Examples 6.4 and 6.15. The function can be more than one time continuous differentiable.
- 2. Prove Theorem 6.17.