# Homework 1

**Due date: Wednesday, October 17**

1. Boyd and Vandenberghe, Chapter 2, Problem 2.4.
2. Boyd and Vandenberghe, Chapter 2, Problem 2.8.
3. Boyd and Vandenberghe, Chapter 2, Problem 2.9.
4. Boyd and Vandenberghe, Chapter 2, Problem 2.12.
5. Boyd and Vandenberghe, Chapter 2, Problem 2.13.
6. Boyd and Vandenberghe, Chapter 3, Problem 3.7.
7. Boyd and Vandenberghe, Chapter 3, Problem 3.16. (See section 3.4 in the book for the definition of quasiconvexity.)