

**CSC 2600, Fall 2008**  
**Topics in Computer Science: Convex Optimization**

**Assignment 1**

Note: the two parts have different due dates.  
Each part is due at the start of class.  
No late assignments will be accepted.

The material you hand in should be legible (typed or neatly hand-written), well-organized and easy to mark, including the use of good English (when English is required). Short, simple answers and proofs will receive more marks than long, complicated ones.

**Part A:** Due Tues Oct 14. Answer the questions below from Chapter 2 of the text. You may use any results stated or proved in Chapters 1 or 2 or in the appendices (but not in Chapter 3).

- Question 2.2
- Question 2.10 (including the converses)
- Question 2.12
- Question 2.19
- Question 2.21
- Question 2.33

**Part B:** Due Tues Oct 21. Answer the questions below from Chapter 3 of the text. You may use any results stated or proved in Chapters 1–3 or in the appendices.

- Question 3.2
- Question 3.17
- Question 3.36 (d)
- Question 3.43
- Questions 3.49 (b) and (c)
- Question 3.57

**No more questions will be added**