

Due: Monday, April 11th (in class)

Reminder

The final exam will be held on **Tuesday, April 19th** at **7:00 p.m.** in SUR 3090.

Reading

For Monday, March 28th, Chapter 14, Sections 1 and 2.
For Wednesday, March 30th, Chapter 14, Sections 3 and 4.
For Monday, April 4th, Chapter 14, Sections 5 and 6.
For Wednesday, April 6th, Chapter 10, Sections 1 and 2.
For Monday, April 11th, Chapter 10, Section 3.

Assignment questions

Chapter 11, exercises 2, 4, and 8.

Chapter 14, exercises 1, 3, 5, and 6.

Show that the set of optimal solutions to a linear program is a convex set.

Show that the set of solutions to the following equation is not convex:

$$\frac{1}{x_1^2 + 1} + \frac{1}{x_2^2 + 1} \leq 1$$

Some other questions you could try

For practice, Chapter 14, number 8.