
1050 Week at a Glance:

Week 8

Math 1050-90

To Do:

For Lessons 7.5–7.6

- Book reading
- Print blank slides
- Watch lecture videos
- Practice Problems
- WebAssign Homework

Objectives

7.5 Systems of Inequalities

- Sketch the graphs of inequalities in two variables.
- Solve systems of linear inequalities in two variables.
- Model and solve real-life problems with systems of inequalities in two variables.

7.6 Linear programming

- Set up, sketch and solve linear programming problems.
- Use these problems to optimize some quantity.

Study Tip of the Week:

You have 80 minutes to take Midterm 2 (60 minutes + 20 minute grace period). One of the best strategies for a timed exam is to not do the problems as presented on the exam, but rather look the entire exam over and do them from easiest to hardest (for you). This way, you do not spend too much time on a problem that is stumping you and then need to rush through material that, were you not rushing, you would do well on.

Depending on the testing center, you may be responsible for monitoring this yourself. Make sure to bring a wrist watch (not a phone) or sit where you can see a clock. If you go overtime, there is a penalty. You lose 0.5% of your total score for each minute you go over. For example if you score 83 and you go 4 minutes over, you will lose

$0.005 \cdot 4 \cdot 83 = 1.66$ points, meaning your grade will change to an 81.34. If those extra 4 minutes helped you score an extra 2 points on the exam, then they were worth it. The penalty will however hurt more if you spend an extra 10 or 20 or more minutes on the exam. In this case, it's important to develop strategies to work faster.

Supplementary Material:

- Handout: Visualizing Linear Programming (for section 7.6)
- Midterm 2 Topics (on the class web page at the bottom, in the Exam Review section)

Due by Sun 11 pm

- Canvas Quiz Week 8

Due by Mon of next week, 11 pm

- WebAssign HW 7.5
- WebAssign HW 7.6