

MA162: Finite mathematics

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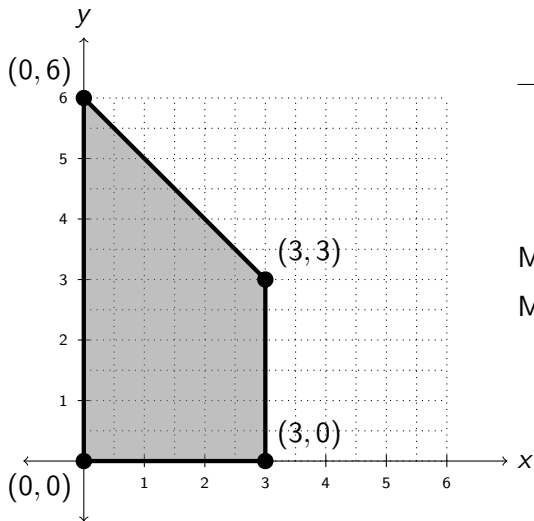
February 25, 2010

SCHEDULE:

- HW B2 is due Monday, Mar 1st, 2010.
- HW B3 is due Sunday, Mar 7th, 2010.
- Exam 2 is Monday, Mar 8th, 5:00pm-7:00pm.
- My office hours are Tuesday and Thursday, 2:30pm-4:00pm in CB63

Today we will cover 4.1: Simplex algorithm

3.3: Quiz review



x	y	P = 2x + 3y
0	0	0
0	6	18
3	3	15
3	0	6

Max at $(0,6)$

Max is 18

Chapters overview

- In chapter 1, we dealt with equations
- In chapter 2, we removed the plusses and equal signs and variables
We could then work bigger problems
- In chapter 3, we dealt with inequalities
- In chapter 4, we remove the plusses and \leq signs and variables
We will be able to work bigger problems
- Today we do sec 4.1, maximizing using a table

4.1: Simplex algorithm

- The simplex algorithm requires three skills
- Writing the table from the longer “variable” form
- Finding pivots and applying RREF style row operations
- Reading the answer from the table
- Each step involves a lot of numbers, so I'll write at the board

Homework: Tricky homework type

- Struggling is good; don't worry, don't give up
- You should be able to do all of B2 (and should be mostly done)
Today we learned to do HW B3 #s 3,4,8,9,11,12
And we already learned #s 1,5
- Several of the problems are easy; you can do them today
- I am just waiting to help my students with homework
Tuesday and Thursday, 2:30pm-4:00pm, CB63
8 other MA162 instructors also want to help