

Written assignments
to hand in.

Section 1.3 48, 52

Due Tuesday 9/26

Section 1.4 14, 24, 70

Due Wednesday 9/27

Handout on Linear

Systems

Due Friday 9/28

Discussion Problems
From the department syllabus
These are not to hand in.

Section 1.3, 1.4

WebAssign

Sections 1.3 + 1.4

Thursday 9/28 at 9am

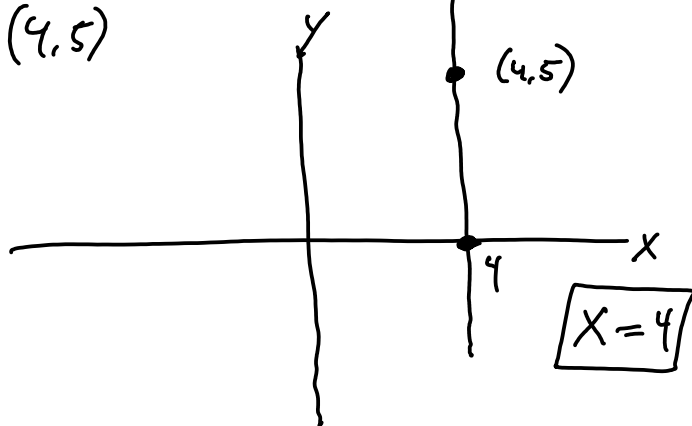
Exam covering
sections P2-P8, 1.1-1.4
Friday 9/29

Calculators which are internet
enabled (eg., mobile phones)
and which can do symbolic
manipulations are not allowed.
See me if you are unsure
about your calculator.

Section 1.3

92) Find the equation of the line parallel to y -axis

Through $(4, 5)$



98) Through $(\frac{1}{2}, -\frac{2}{3})$ perpendicular to $4x - 8y = 1$

point/slope equation

$$y - b = m(x - a)$$

$$y - (-\frac{2}{3}) = -2(x - \frac{1}{2})$$

$$\boxed{y + \frac{2}{3} = 2(x - \frac{1}{2})}$$

transform to slope/intercept

$$4x - 8y = 1$$

$$-1 + 8y = 8y - 1$$

$$\frac{1}{8}(4x - 1 = 8y)$$

$$\frac{1}{2}x - \frac{1}{8} = y$$

$$\text{slope} = \frac{1}{2}$$

$$\text{perpendicular slope} = -2$$

90) Production costs for x toasters is

$$y = 6x + 3000 \text{ dollars}$$

y-intercept fixed startup costs

slope \$6 cost per toaster.

