# 2024 Fall Math 140 Week-In-Review

## Week 4: Post Exam 1

Ok, I just took Exam 1 and now what?

After completing an exam, ...

- it is important to rest -> exams can be exhausting

- be careful not to take it easy (we have videos to
watch for this next week)

- ask (ricely) your prof. when they expect

- ask (ricely) your prof. when they expect grades posted

- when grades get posted, access your exam to review it (ie. Gradescope, --)

After reviewing your exam on your own, ...

- compare your results us/ prof's key to see what went wrong & correct it

- if you still have trouble us question, then ask to meet us your prof (don't wait until late semester)

- if you think something was misgraded (it does happen) then email your prof & ask what the regrade protocol is (be nice please)

\*\*A mate a plan moving (success does not happen w/o a plan)

So, how did the exam go?

I... performed horrisby! HELP!

Breathe.

Stress & anxiety are counter productive
to success

Keep calm and come up w/ a plan.

Breathe.

stress & anxiety are counter productive
to success

keep calm and come up w/ a plan.

Breathe.

a plan.

Review your exam w your prof.

I... didn't perform well but I didn't bomb either

See steps 1-4 above

B) Adjust your study hapbits, meet u/ prof.

and explain how you prepared then

ask for feedback

I... performed really well.

\*\*Be careful and don't get complacent A

(1) Keep it up: the effort & intensity b/c

things get more difficult from here...

How do I move forward from here?  It's all about the doily grind (and also for Math 142)  Webothssign 13%  Quiz/Geroupwork 15% maximize these, then it takes the pressure of	
What if I'm thinking about Q-dropping?  DON'T: recall that your final exam grade replayour lowest regular exam grade  Heast wait til after exam 2, but gotta  put in the work	æ
So how do I move forward towards success?  (I The Daily Grind  (2) Office Hours (Prof & BMTAs)  (preat setting to knock out WebAssign)  (But all your resources  MLC & VMLC: Week-In-hericw, Help Session M (an & pm)  (mlc. tamer.edu)  Videos (Algebra Video Series  FREE aline fextbooks (extra practice)	l-Th,
3	

## What should I expect next?

Chapter 3: Linear Programming

- setup system (similar to chp. 2)

. define variables, construct equations, etc ...

= work w/ lines (all things lives)

· slape, both kinds of intercepts, graphing, etc ....

- work u/ linear inequalities

2x+3y=7 -> 2x+3y=7 (shading on graph)

- Set up & Solve systems of inequalities using 2 methods:

1) Method of Corners (a lot graphing, shading, etc...)

2) Simplex Method (uses matrices similar to RREF)

Chapter 4: Probability

- compute basic probability

- work w/ Venn Diagrams

- probability distributions (table showing probabilities)

- compute expected value w/ word problems

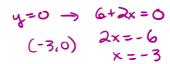
### Here are some important skills we need to retain from chapters 1 and 2:

### Graphing lines and determining an intersection point.

12

Example: For the given pair of lines, graph each one on the grid provided and determine their intersection point without using the graph. Express all values in exact form.

$$\angle_1$$
:  $6 + 2x = 3y$ 
 $x + 2y + 4 = 0$ 



Li

Lind: x=0 > 2y+4=0

$$(0,-2)$$
  $2q=-4$   $q=-2$ 

 $y=0 \Rightarrow x+4=0$  x=-4

Intersection: we can do this w/ either Swistitution Method Addition Method, or RREF w/ matrices

> if one of lines is just X=# or > if both have x ty

$$L_1: 2x-3y=-6$$

$$L_2: x+2y=-4$$

$$Intersection$$

$$\left(-\frac{24}{7},-\frac{2}{7}\right) \in \begin{bmatrix} 1 & 0 & | & -\frac{2}{7} \\ & & & \\ \end{bmatrix}$$

$$C = \begin{bmatrix} 1 & 0 & | & -24/7 \\ 0 & 1 & | & -2/7 \end{bmatrix}$$

Skills used: . Quickly be able to graph a line (found intercepts)

- · Find an intersection between lines
- · be able to do algebra