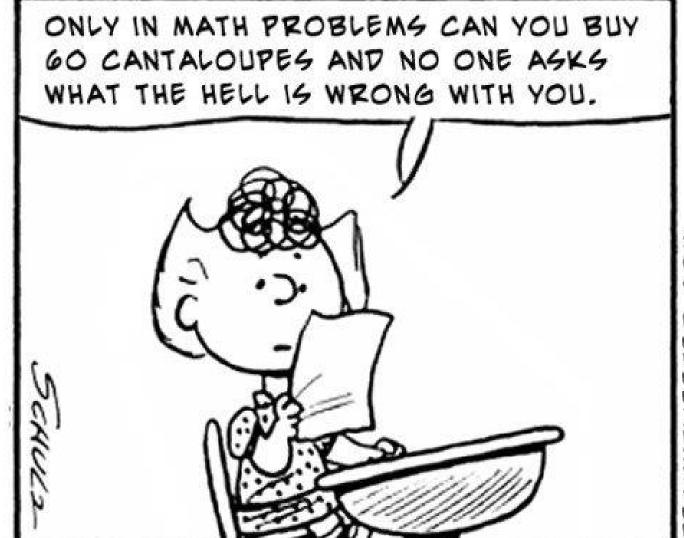
Practical Math!

Why math is important for real life, and calculating your GPA and what it means!

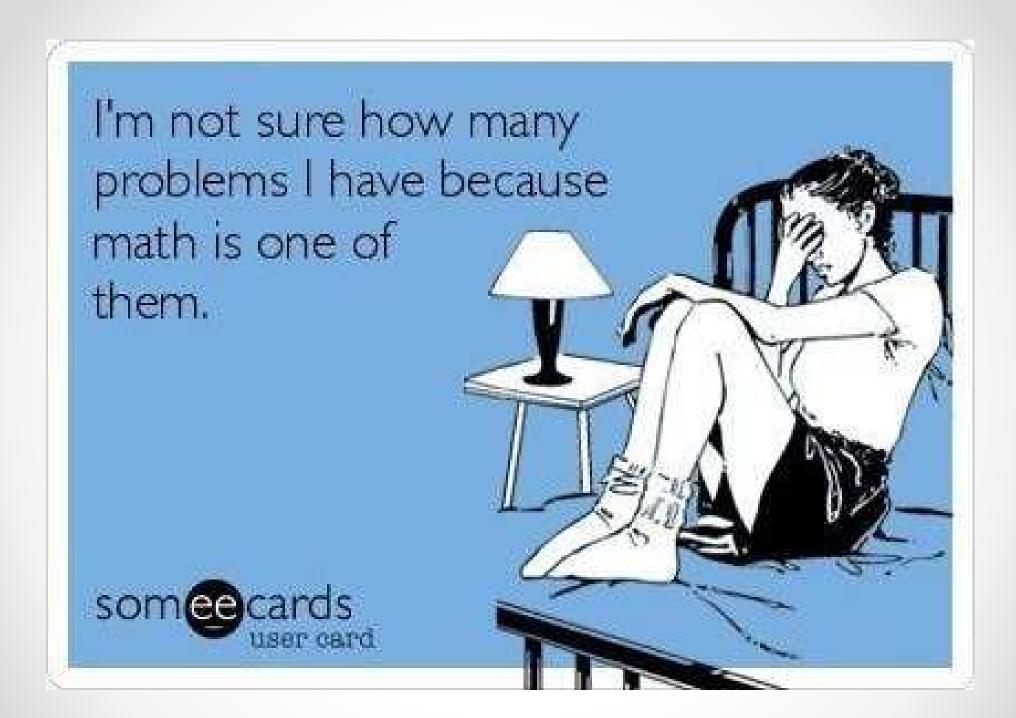
How I see math word problems:



If you have 4 pencils and I have 7 apples, how many pancakes will fit on the roof? Purple, because aliens don't wear hats.



GKARIMI



Why Math?

- Why do we care about math?
- Skills for breaking down complex statements into reasonable ones.
- Skills for logical reasoning and evidence based arguments.

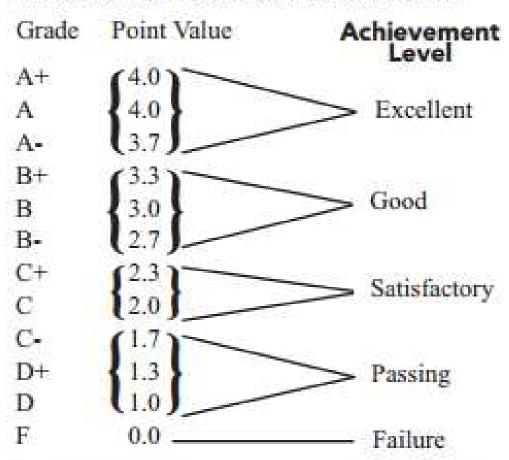
Let's Calculate our GPA!

- Find the section on the worksheet designated 'Spring 2014 grades'
- I want you to assign yourself a realistic letter grade for each class.
 - DON'T GIVE EVERY CLASS AN A+
 - DON'T GIVE EVERY CLASS A D-
 - THINK ABOUT WHAT GRADE YOU NEED TO PASS THE CLASS
- Next, we're going to talk about grades and how averages are calculated

You will receive grades

GRADES AND INDEX

WHAT DO THE LETTER GRADES REPRESENT?



Student Handbook p 17

Graduation Requirements

WHAT ARE GRADUATION REQUIREMENTS?

To graduate with any of the degrees offered, you must be a matriculated student at the time you apply for graduation and complete the required number of credits for your major with a minimum cumulative grade point index of 2.00, which is at least a "C" average.

Student Handbook p 19

Calculating GPA

Course	Grade	Value
English 12	В	3.0
Mathematics 15	D	1.0
Psychology 11	D	1.0
Phys Ed 6	В	3.0

$$\bar{x} = \frac{1}{n} \sum_{i=x}^{n} x_i$$

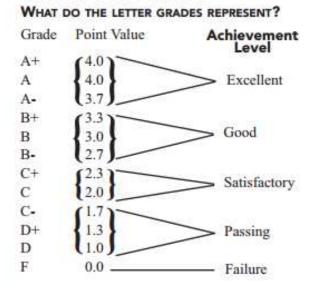
$$GP^A = \frac{su^m \ of \ gra^d \ value}{numb^e \ of \ cour^S}$$

$$GP^A = \frac{1+3+3+1}{4} = \frac{8}{4} = 2$$

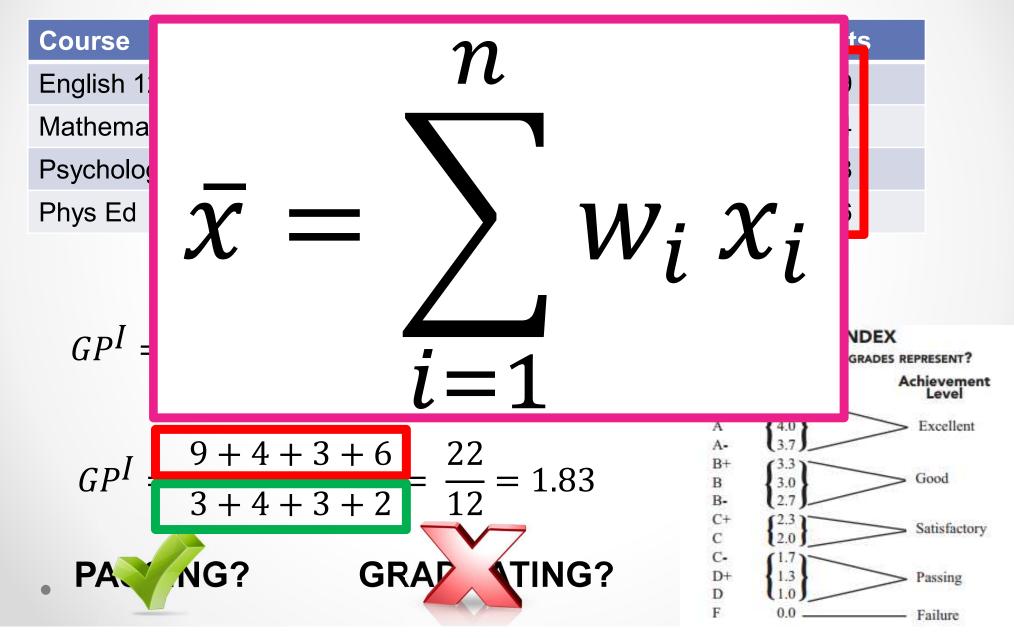




GRADES AND INDEX



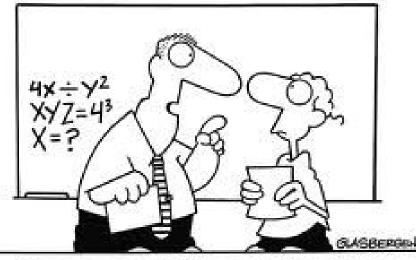
What About Credits?



Who Cares?

- GPA is important for your academic career: your choice for major, your choice for school, your choice for career.
- If you let your GPA slide too long you may have a hard time getting it up!
 - o Kingsborough GPA Calculator
 - o **GPA Calculator**
- Bigger picture! Why did I just make you calculate your GPA?

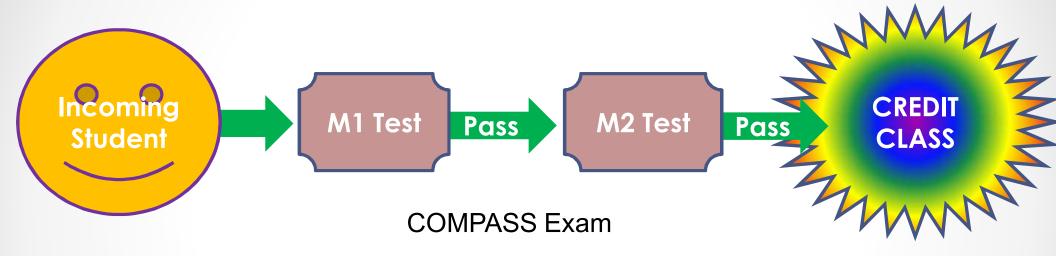
 1997 by Randy Glasbergen. http://www.norwich.net/-randyg/toon.htm E-mail: randyg@norwich.net



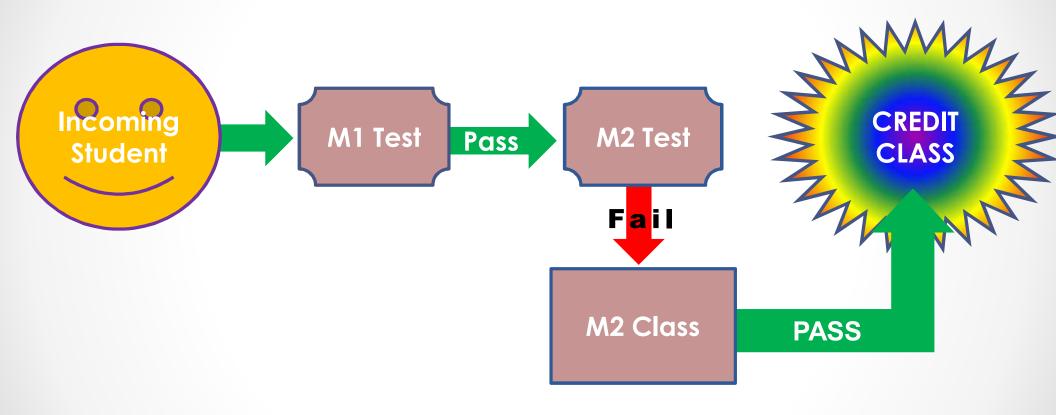
"Algebra class will be important to you later in life because there's going to be a test six weeks from now."

 Based on how you did on your math placement exam and your desired major you will need to follow a specific math sequence.

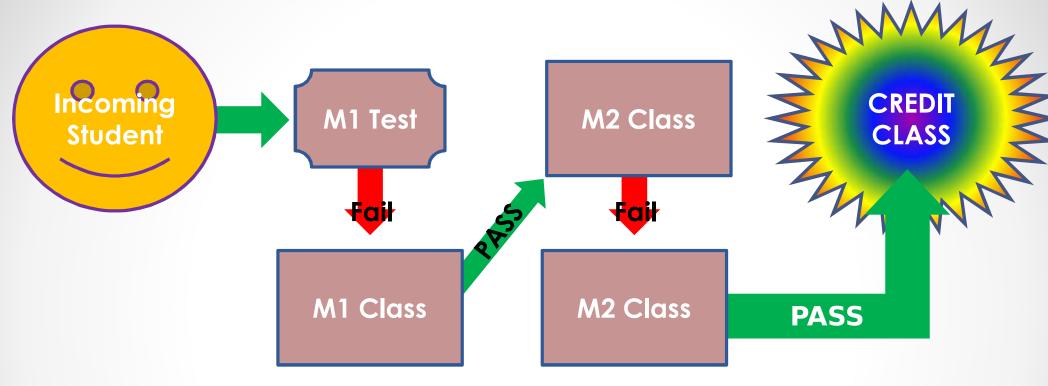
 Everybody must pass the M1 and M2 as well as take a credited math course at Kingsborough to graduate.



- Best Case Scenario!
- How long will this take? 1 semester!



- Less optimal scenario!
- How long will this take? 2+ semesters (1 year!)



- Even less optimal scenario!
- How long will this take? 3+ semesters (1-2 years!)
- Sometimes classes aren't available, making this timeline even longer!
- This is why it's important for you to talk to your
- advisors and plan your classes early!

Tips for Math Success!

- Your goal is to graduate as soon as you can!
 Only take math courses that are required
- Be realistic about your major: How many math courses do you need to finish?
- More advanced courses could wait when apply for senior college
- Plan for the long term, not just for the semester
- *Check prerequisites as you plan your courses

Tips for Math Success!

- Begin taking math sequence (M1 and M2) as soon as you can
 - Taking too long is very costly (tuition, time)
 - Math builds on itself: The longer the gap between courses, the more likely you'll forget the material
- Register for classes early before they close
- Buy textbook for each math class
- Go to free tutoring (F209)
- Questions? Ask your Advisor!