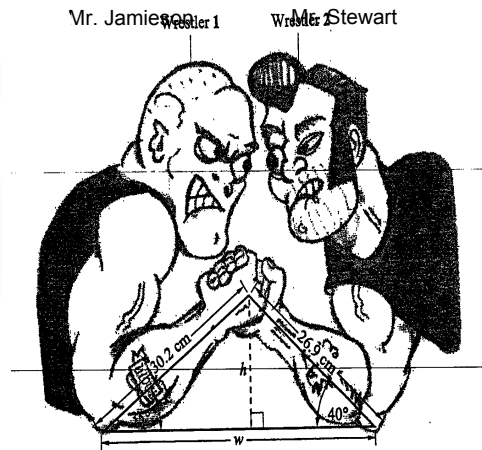


Welcome to...



FOUNDATIONS of MATHEMATICS 11



Housekeeping to get done today...

- Attendance
- Introductions
- Classroom Rules & Procedures...
- Discuss website...
- Review Course Outline

Rules & Procedures...

- Bell schedule (3 lates = 1 day unexcused)
- Fire drill
- "Code black"
- Classroom rules and procedures...
 - #1 rule: COMMON SENSE!!!
 - Be prepared: pencil, **calculator**, text & paper.
 - Be respectful: property, peers & learning
 - School rules:
 - * smartphones off and put them on top of your desk.
 - * MP3 players (teacher discretion).
 - * hallway pass for travel during classtime
 - * no hats or hoods.
- Course change sheet

BELL SCHEDULE

8:25	Warning Bell
8:30 - 9:30	Period 1 / Homeroom
9:35 - 10:35	Period 2
10:40 - 11:45	Period 3/Announcements
11:45 - 12:40	Lunch
12:40 - 1:40	Period 4
1:45 - 2:15	Independent Study/Math Help
2:20 - 3:20	Period 6



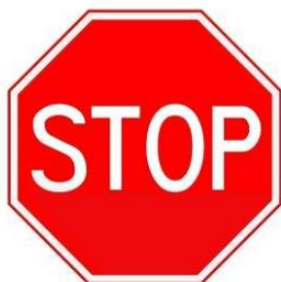
REMEMBER...

✓ remove your hat and



✓ turn cell phones **OFF!!!**





Thanks for remembering
this is a



Peanut/Nut
Free School

INDEPENDENT STUDY:

Monday - Period 1

Tuesday - Period 2

Wednesday - Period 3

Thursday - Period 4

Friday - Period 5

ATTENDANCE:

4 Days - Period 1 Teacher calls home

6 Days - Student meets with Guidance

8 Days - Period 1 Teacher calls home

10 Days - Meeting with Parents/Guardians

15 Days - Student meets with Guidance


20 Days - Recommend Removal

MARKS:

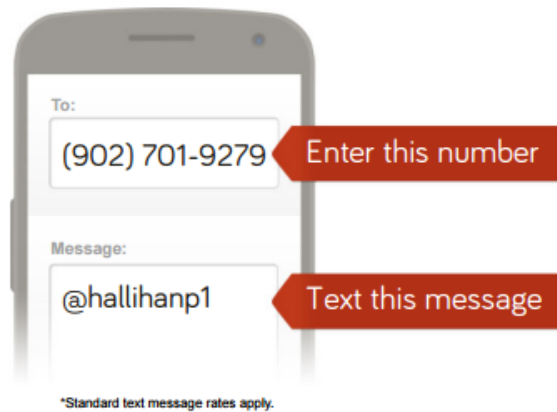
- * No Academic Incentives
- * All exams will be valued at 25%

REMIND APP:

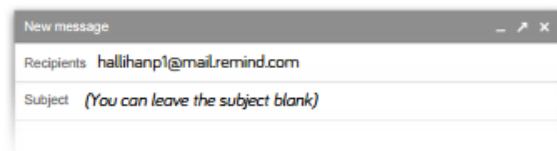
- * Text/email daily homework
- * Sign-up


Mr. Hallihan would like you to join Math  remind
11 (Period 1)!

To receive messages via text, text @hallihanp1 to (902) 701-9279. You can opt-out of messages at anytime by replying, 'unsubscribe @hallihanp1'.



Or to receive messages via email, send an email to hallihanp1@mail.remind.com. To unsubscribe, reply with 'unsubscribe' in the subject line.



Mr. Hallihan would like you to join Math  remind
11 (Period 2)!

To receive messages via text, text **@hallihanp2** to **(902) 701-9279**. You can opt-out of messages at anytime by replying, 'unsubscribe @hallihanp2'.



*Standard text message rates apply.

Or to receive messages via email, send an email to **hallihanp2@mail.remind.com**. To unsubscribe, reply with 'unsubscribe' in the subject line.



Teacher Website

<http://mvhs.nbed.nb.ca>

- " Wall of Excellence "
 - new semester...set new goals!
- Math Help (Independent Study)
 - Period 1 [Monday]
 - Period 2 [Tuesday]

FOUNDATIONS OF MATHEMATICS 11

COURSE OUTLINE - WINTER 2016

TEACHERS: A. Hallihan; B. Mutch

TEXTS: Nelson – Foundations of Mathematics 11

WEBSITE: <http://mvhs.nbed.nb.ca/teacher/mr-hallihan>**Foundations of Math 11 Course Outline Winter 2016.pdf**

This course has the following pre-requisites: Geometry, Measurement & Finance 10 AND Numbers, Relations & Functions 10. The course is designed to ensure that students obtain the necessary foundation to pursue post-secondary programs that may require a Mathematical background. Upon completion, students may continue on to further study mathematics by enrolling in the Pre-Calculus 11 course. Otherwise, students will be able to take either the Workplace/Financial Mathematics 11 or Foundations of Mathematics 12.

Now it is time to start **WORKING...AGAIN!!!**

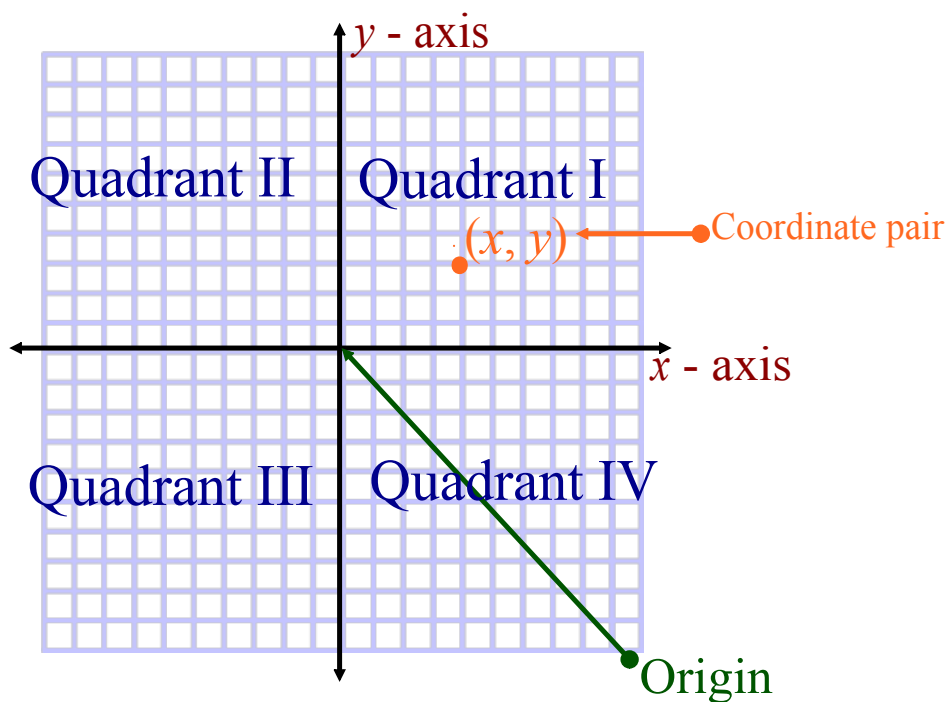


- **INTRODUCTION...**
- Linear Relations

Review of 2-Dimension Coordinate Geometry

'AKA... Numbers, Relations and Functions 10'

Cartesian Plane



Associates each point with a pair of numbers (**ordered pair**).

Calculating Slope

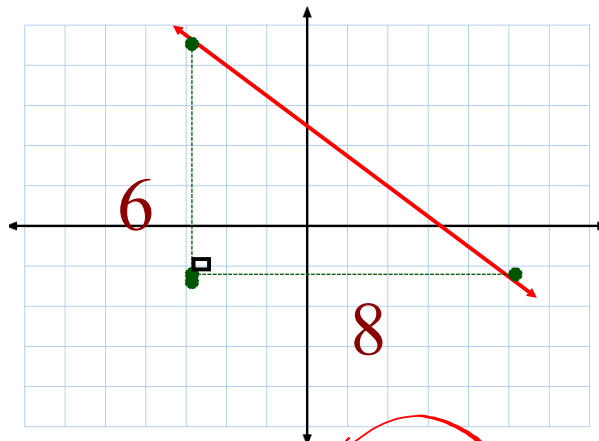
#1. Graph

Slope = $\frac{\text{Rise}}{\text{Run}}$

$= \frac{-6}{4}$

$= \frac{-3}{2}$

ex:



#2. Two Points

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

ex: (-3, 5) & (1, -7)

$$m = \frac{-7 - 5}{1 - (-3)}$$

$$= \frac{-12}{4}$$

$$= -3$$

#3. Equation

$$y = mx + b$$

↑
slope

ex: Determine the slope of...

$$3x - 2y - 6 = 0$$

$$-2y = -3x + 6$$

$$y = \frac{3}{2}x - 3$$

$$m = \frac{3}{2}$$

Example...

Find the slope of the following line... $6x + 4y - 12 = 0$

$$4y = -6x + 12$$

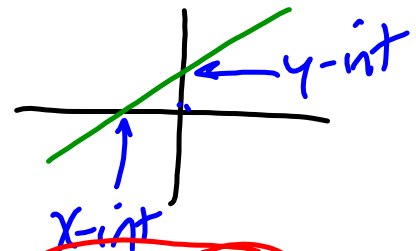
$$y = -\frac{3}{2}x + 3$$

$$m = -\frac{3}{2}$$

Intercepts

x intercept

Where does it cross the x - axis? (Let $y = 0$)



y intercept

Where does it cross the y - axis? (Let $x = 0$)

$\frac{-3}{-3}y = \frac{-2x+12}{-3}$ Ex. $2x - 3y = 12$

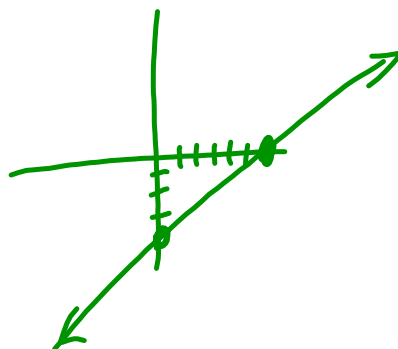
$y = \frac{2}{3}x - 4$ x-int

y-int

$\frac{2x}{2} = \frac{12}{2}$
 $x = 6$
 $x\text{-int} = 6$
 $(6, 0)$

$m = \frac{2}{3}$

y-int
 $\frac{-3y}{-3} = \frac{12}{-3}$
 $y = -4$
 $(0, -4)$



Attachments

Foundations of Math 11 Course Outline Winter 2016.pdf