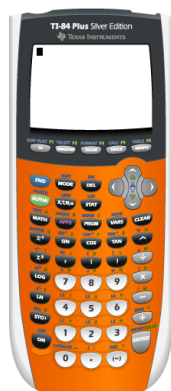


# Welcome to...

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# FOUNDATIONS of MATHEMATICS

# 11

Housekeeping to get done today...

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

# Rules & Procedures...

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- 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

<b>8:30</b>	<b>Warning Bell</b>
<b>8:35 - 9:40</b>	<b>Period 1</b>
<b>9:45 - 10:50</b>	<b>Period 2</b>
<b>10:55 - 12:00</b>	<b>Period 3</b>
<b>12:00 - 1:00</b>	<b>Lunch</b>
<b>1:00 - 2:05</b>	<b>Period 4</b>
<b>2:10 - 3:15</b>	<b>Period 5</b>

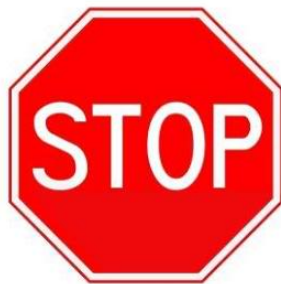


# REMEMBER...

✓ remove your hat and

✓ turn cell phones **OFF!!!**





Thanks for remembering  
this is a



Peanut/Nut  
Free School

## **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:**


- \* Academic Incentives are back :-)
- \* All exams will be valued at 30 %

**2016 Academic Incentives.pdf**



## REMIND APP:

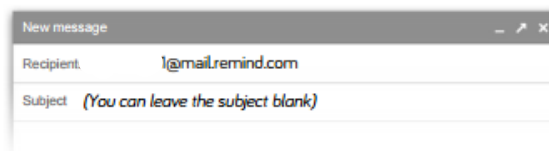
- \* Text/email daily homework
- \* Sign-up

Mr. Hallihan would like you to join Math  remind  
11 (Period3)?

To receive messages via text, text @period3fou to (902) 701-9279. You can opt-out of messages at anytime by replying, 'unsubscribe @period3fou'




Or to receive messages via email, send an email to period3fou@mail.remind.com. To unsubscribe, reply with 'unsubscribe' in the subject line.





## REMIND APP:

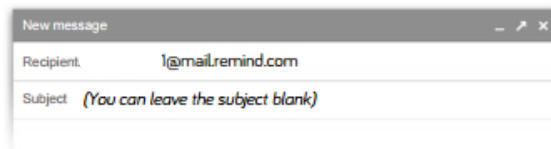
- \* Text/email daily homework
- \* Sign-up

Mr. Hallihan would like you to join Math  remind  
11 (Period5)?

To receive messages via text, text @period5fou to (902) 701-9279. You can opt-out of messages at anytime by replying, 'unsubscribe @period5fou'



Or to receive messages via email, send an email to period5fou@mail.remind.com. To unsubscribe, reply with 'unsubscribe' in the subject line.




## Teacher Website

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

- Every lesson...every day!
- Link to Remind App
- " Wall of Excellence "
  - new semester...set new goals!

## Let's Discuss The Course...

 Period 3 Course Outline.pdf

 Period 5 Course Outline.pdf

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

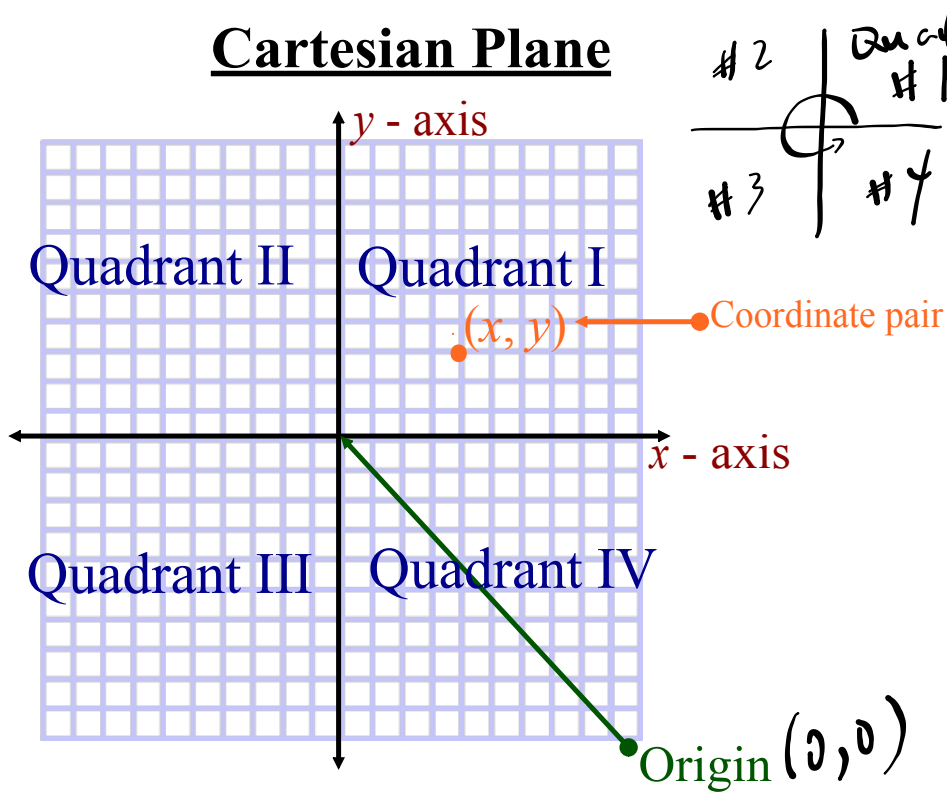


- **INTRODUCTION...**
- Linear Relations

# Review of 2-Dimension Coordinate Geometry

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

## Cartesian Plane

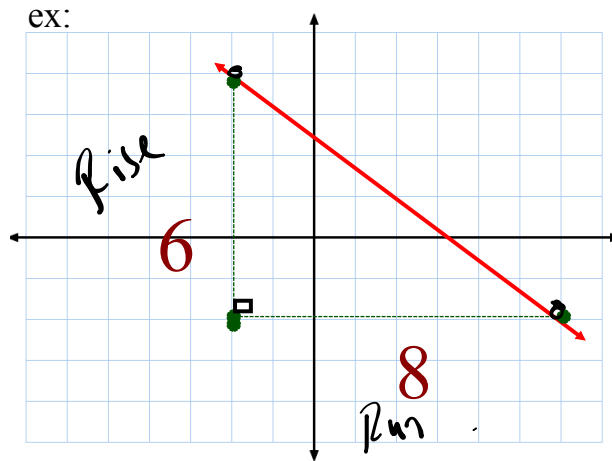


Associates each point with a pair of numbers (**ordered pair**).

## Calculating Slope

### #1. Graph

$$\begin{aligned}
 \text{Slope} &= \frac{\text{Rise}}{\text{Run}} \\
 &= \frac{-6}{8} \\
 &= \left| \frac{-3}{4} \right|
 \end{aligned}$$



### #2. Two Points

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

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

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

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

$$m = -3$$

### #3. Equation

$$y = mx + b$$

↑ slope
↑ y-int

ex: Determine the slope of...

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

$$\frac{-2y}{-2} = \frac{-3x + 6}{-2}$$

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

↑  $m = \frac{3}{2}$

Example...

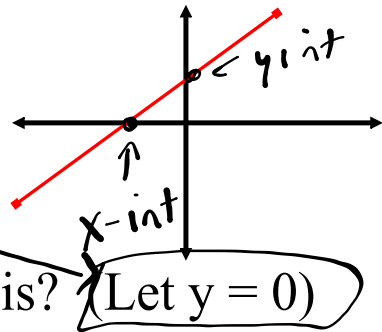
Find the slope of the following line...  $6x + 4y - 12 = 0$

$$\frac{4y}{4} = \frac{-6x + 12}{4}$$

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

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

# Intercepts



## x intercept

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

## y intercept

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

Ex.  $2x - 3y = 12$

x-int

$$2x - 3(0) = 12$$

$$\frac{2x}{2} = \frac{12}{2}$$

$$x = 6$$

$$(6, 0) \text{ or } x\text{-int} = 6$$

y-int

$$2(0) - 3y = 12$$

$$-3y = 12$$

$$y = -4$$

$$y\text{-int} = (0, -4)$$



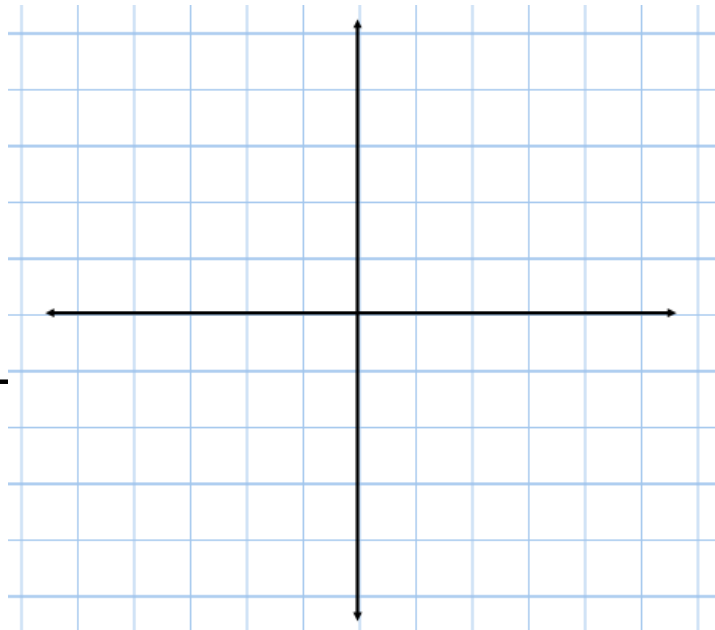
# Graphing Linear Functions

NOTES - Graphing Linear Relationships.docx

## Method #1 - Table of Values (must have at least 3 points)

ex:  $3x - 6y + 18 = 0$

x	y



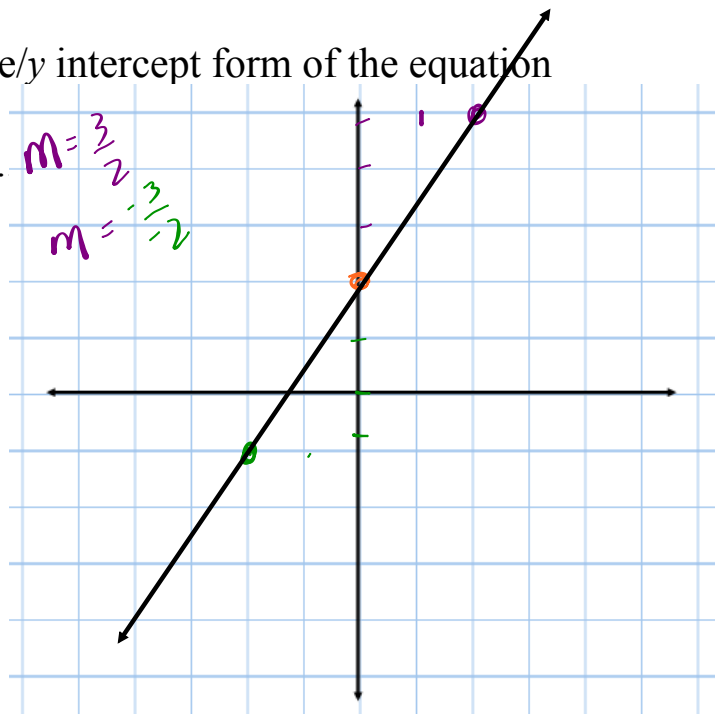
## Method #2 - Using the slope/y intercept form of the equation

- put equation in the form.

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

$y = mx + b$

- plot the y intercept
- use slope =  $\frac{\text{Rise}}{\text{Run}}$  to plot other points.




ex:  $3x - 2y = -4$

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

$$y = \left(\frac{3}{2}\right)x + 2$$
 (2) Rise / Run      (1) yint

# HOMEWORK...

 Puzzle Worksheet - Graphing Lines.docx

## Attachments

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NOTES - Graphing Linear Relationships.docx

Puzzle Worksheet - Graphing Lines.docx

2016 Academic Incentives.pdf

Period 3 Course Outline.pdf

Period 5 Course Outline.pdf