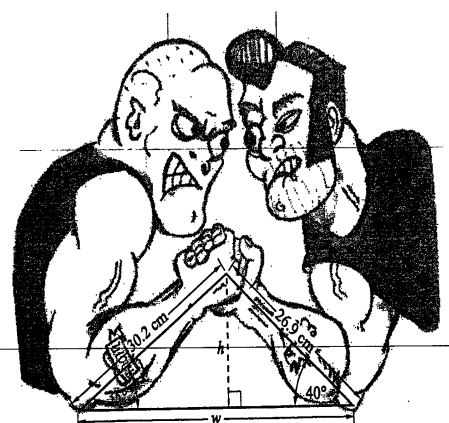


Welcome to...



FOUNDATIONS of MATHEMATICS 11



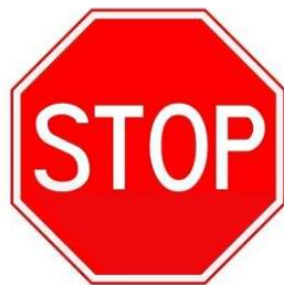
Housekeeping to get done today...

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



Welcome Back!!!

- Bell schedule (3 lates = 1 day unexcused)
- Fire drill
- "Code black"
- Classroom rules and procedures...
 - #1 rule: COMMON SENSE!!!
 - Be prepared & Be respectful: property, peers & learning
 - School rules:
 - * smartphones turned OFF and put away.
 - * MP3 players (teacher discretion).
 - * no hats or hoods.
- Course change sheet



Thanks for remembering
this is a



Peanut/Nut
Free School

BELL SCHEDULE

8:25	Warning Bell
8:35 - 9:40	Period 1 / Homeroom
9:45 - 10:50	Period 2
10:55 - 12:00	Period 3
12:00 - 12:55	Lunch
1:00 - 2:05	Period 4
2:10 - 3:15	Period 5

HOMEROOM...

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

Reminders...

MARKS:

- * Academic Incentives
 - 1) Missed 5 or fewer in ALL classes
 - 2) All work is completed in the course
 - 3) Passing the course

- * All exams will be valued at 30%

<http://mvhs.nbed.nb.ca/teacher/mr-hallihan>

Miramichi Valley High School
345 McKenna Avenue, Miramichi, NB E1V 3S9
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Webmaster Home News Teacher Pages Sports Clubs Staff Documents MakerSpace First Nation Log out

Mr. Hallihan

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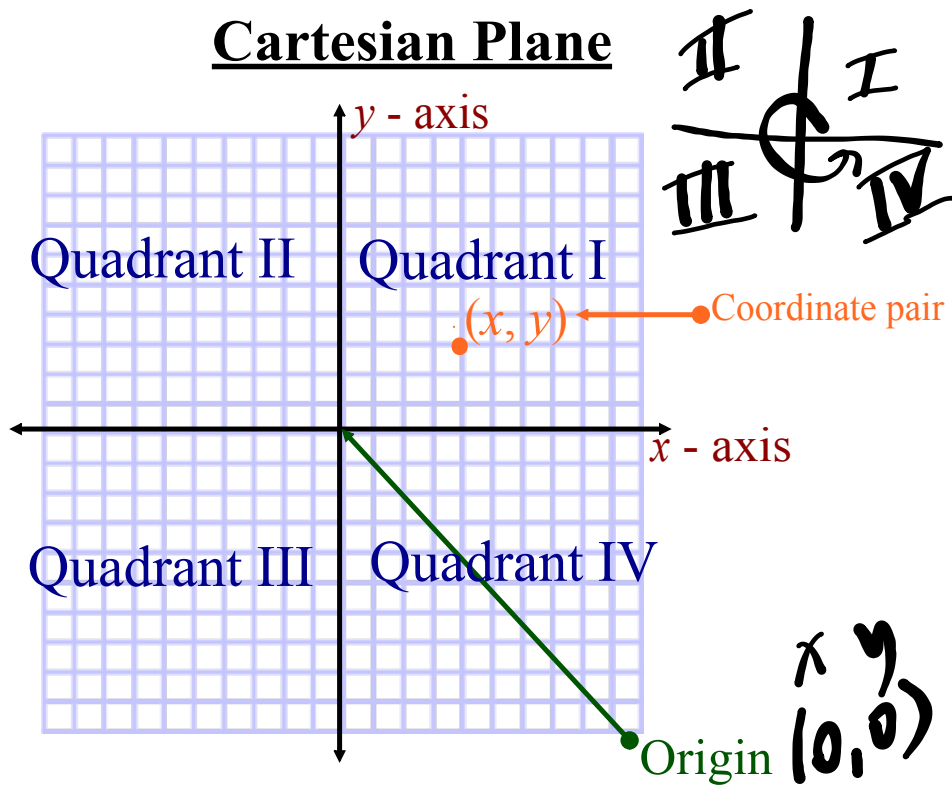
- Every lesson...every day!
 - * No excuses when you miss a day...
get lesson from website!
- Daily homework assignment
 - * To Learn Math Is To DO MATH!
- Calendar of upcoming evaluations & events
 - * MVHS Wellness Breakfast...February 10th
 - * MVHS Pow-Wow...February 23rd
 - * π DAY :-)
 - * MVHS We-Day...April 13th

REVIEW: NRF 10...Linear Relations

- slope
- $y = mx + b$
- x & y intercepts
- graphing a line

Review of 2-Dimension Coordinate Geometry

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



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

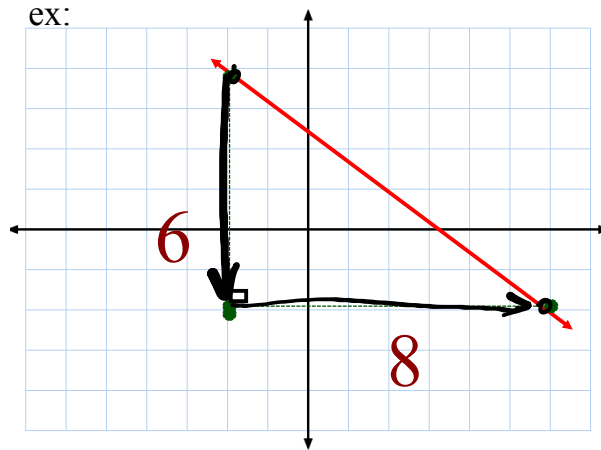
Calculating Slope

#1. Graph

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

$$= -\frac{6}{8}$$

$$\text{slope} = -\frac{3}{4}$$



#2. Two Points

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

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

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

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

$$= -3$$

#3. Equation

$$y = mx + b$$

slope

y int

ex: Determine the slope of...

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

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

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

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

Example...

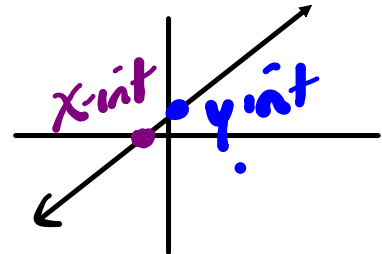
Find the slope of the following line... $6x + 4y - 12 = 0$

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

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

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

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. $2x - 3y = 12$

$$\begin{array}{l} \text{x-int} \\ \hline 2x - 3(0) = 12 \\ 2x = 12 \\ \hline x = 6 \\ \text{x-int} \\ \hline (6, 0) \end{array}$$

$$\begin{array}{l} \text{y-int} \\ \hline 2(0) - 3y = 12 \\ -3y = 12 \\ \hline y = -4 \\ \text{y-int} \\ \hline (0, -4) \end{array}$$

Graphing Linear Functions

NOTES - Graphing Linear Relationships.docx

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

- put equation in the form.

$$y = mx + b$$

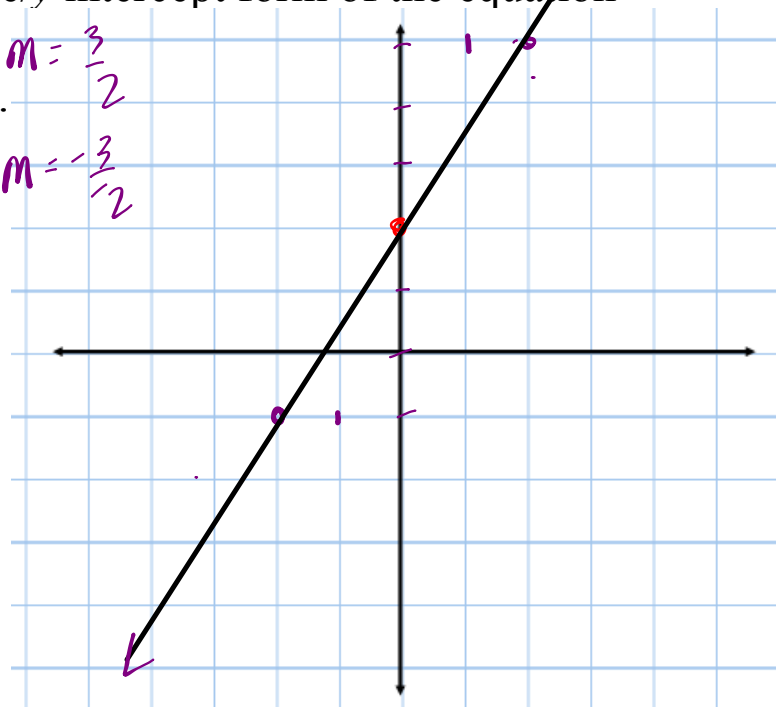
- plot the y intercept
- use slope = $\frac{\text{Rise}}{\text{Run}}$ to plot other points.

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

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

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

① m Rise/Run ② y-int



7

HOMWORK...

 Puzzle Worksheet - Graphing Lines.docx

Attachments

NOTES - Graphing Linear Relationships.docx

Puzzle Worksheet - Graphing Lines.docx

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