November 24, 2015

Daily Warm Up!

Q1

What is the slope of the line?

$y = -9x + 1$

Q2

What is the pattern?

0, 1, 4, 9, 16, 25, 36,...

Q3

What is the x-int?

$3x + 4y = 12$

Good morning!

Good morning, Ms. Jansen!

Ready for math??

YES!!!

(fake it til you make it)

Agenda

+ Standard Form
+ Homework

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Set up your C-notes!

Cornell Notes	Topic/Objective:	Name: Bob
AVID Decades of College Dreams	Linear Equations	Class/Period: Per. 2
		Date: 11/24/15

Essential Question: How do I graph a line?

Questions:	Notes:
What is standard form?	SWBAT graph a line given an equation in Standard Form.
Why is standard form useful?	

Summary:

Remember when we found the intercepts of a line?

Find the y-int.

Find the x-int.

$$4y = 8x + 16$$

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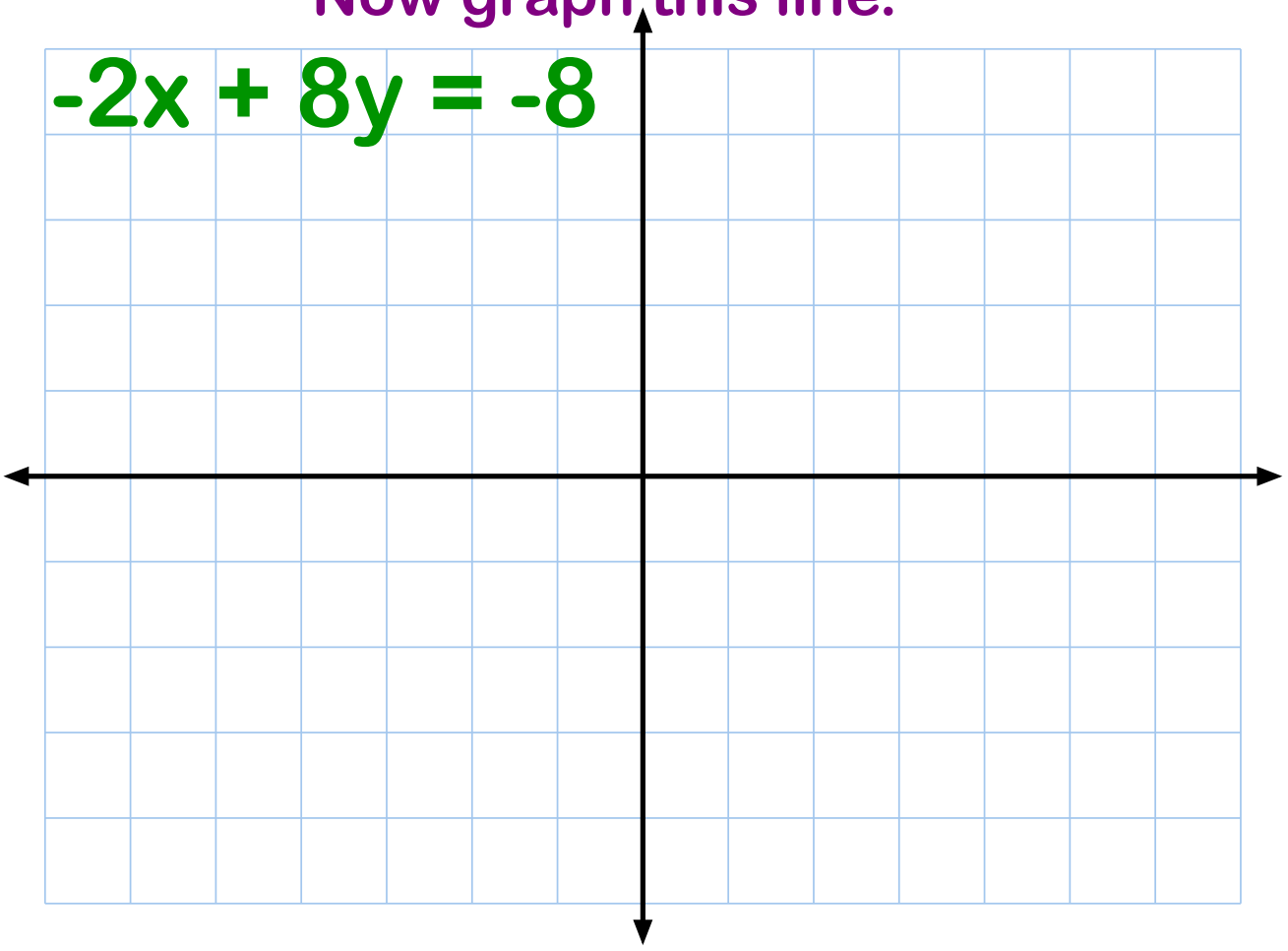
Now graph this line.

$-2x + 8y = -8$



Is there an easier way??

Yes, yes there is!!

Standard Form

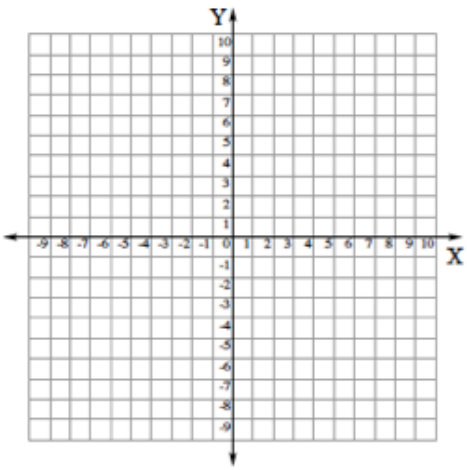
$$Ax + By = C$$

A, B, C are numbers.

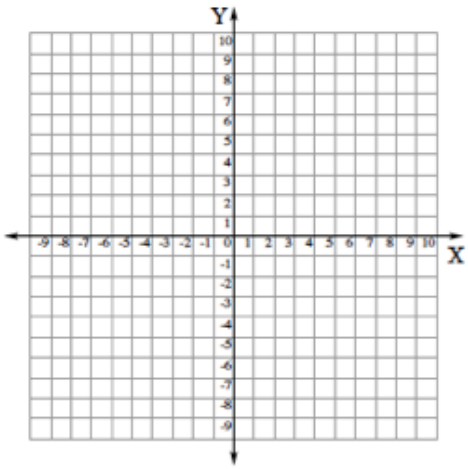
x and y are variables.

Why is this useful?
It's easy to graph
with the intercepts!

Graph these!



$-2x + 5y = 20$



$6x - 9y = 36$

Movement Break!

Stand up!

"Which one is not like the other ones?"

Which number is different?

9, 16, 25, 27

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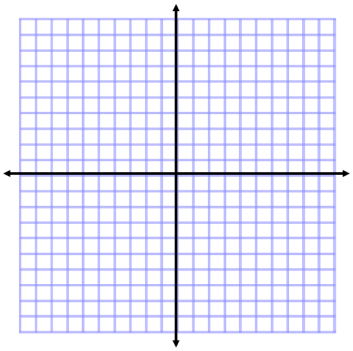
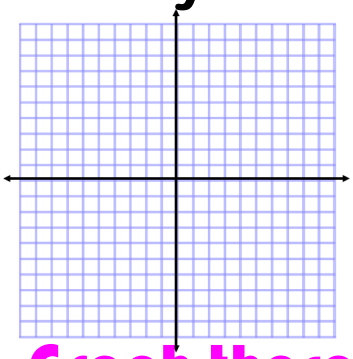
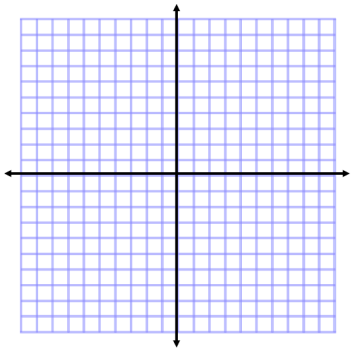
$15x - 2y = 10$



$x + 2y = 18$

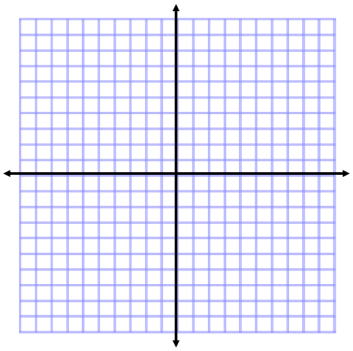


$7x - 14y = -28$

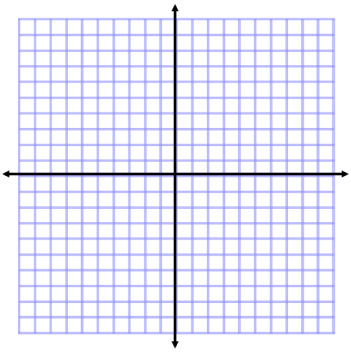


Graph these!

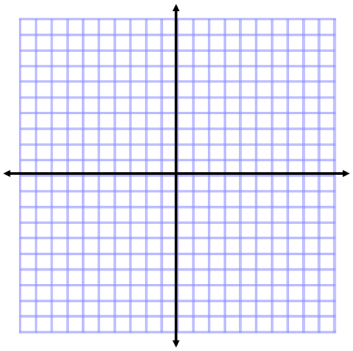
$-6x - 3y = 15$



$\frac{x}{2} + 5y = 5$



$y = \frac{2}{5}x - 3$



Homework!

Book pg. 333-334

#1-3, 10-12, 15-20,

27 (challenge problem), 38-42

You have time to work now. Use it wisely!

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Summary:

Summarize what you learned today about standard form!