

Agenda

Homework:

- Standard Form In Context WS
- AM

Materials:

- Laptop (when told to grab one)

Do Now:

1. Take out homework
2. Convert the following equations to Standard Form:

$$y = \frac{1}{2}x - 6$$

$$.3y + .4x = 7$$

Do Now

Convert the following equations to Standard Form:

$$y = \frac{1}{2}x - 6$$

$$.3y + .4x = 7$$

Homework

- [Standard Form WS](#)



Set Up Cornell Notes

- **Topic:** Standard Form – In Context
- **EQ:** How can you set up an equation in Standard Form based on a word problem?

Update Table of Contents

Date	Topic
12/2 (Pd. 3)	Standard Form – In Context
12/5 (Pd. 6)	



How do you create an equation in Standard Form from a Word Problem?

- What are your variables? (What is being compared)
 - Independent variable (x):
 - Dependent variable (y):
 - A & B : values of x & y
 - C: Total of the combined values of x & y

Standard Form In Context Example

Ewa Makai hosted a Penny War. Each penny is worth 1 point, but each dollar bill takes away 100 points. At the end of the war, Team 8A had collected the most money, but ended up with -14 points.

Follow Up Question: How many pennies did they raise if they had 20 dollar bills dropped into their jar?

Co-Constructed Homework

- Each group will receive a real-world application problem.
- As a group (or individually), read through the problem and answer it **IN YOUR NOTES**
 - Word problem will be in the LEFT column
 - Answer will be in the RIGH column
- Once your answer is checked by a teacher, your group will create your own problem **SIMILAR** to the problem you solved.

Co-Constructed HW (cont)

- Once your problem has been approved, type it into the shared Homework Template (www.e119.weebly.com ← Algebra ← 12.2.15 entry)
- Work on Exit Pass
- Work on AM