

# Agenda

## Homework:

- Study Guide Worksheet
- AM
- TEST on Wed/Thurs

## Materials:

- Notebook
- Ruler
- Calculator (if needed)

## Do Now:

1. The cost of your ice cream,  $C$ , is determined by how many toppings you get,  $t$ . In function notation, **express that the cost of buying an ice cream with 4 toppings is \$4.60.**
2. Convert the following to Standard Form:  
 **$.2x = -.35y + 4$**

# Do Now

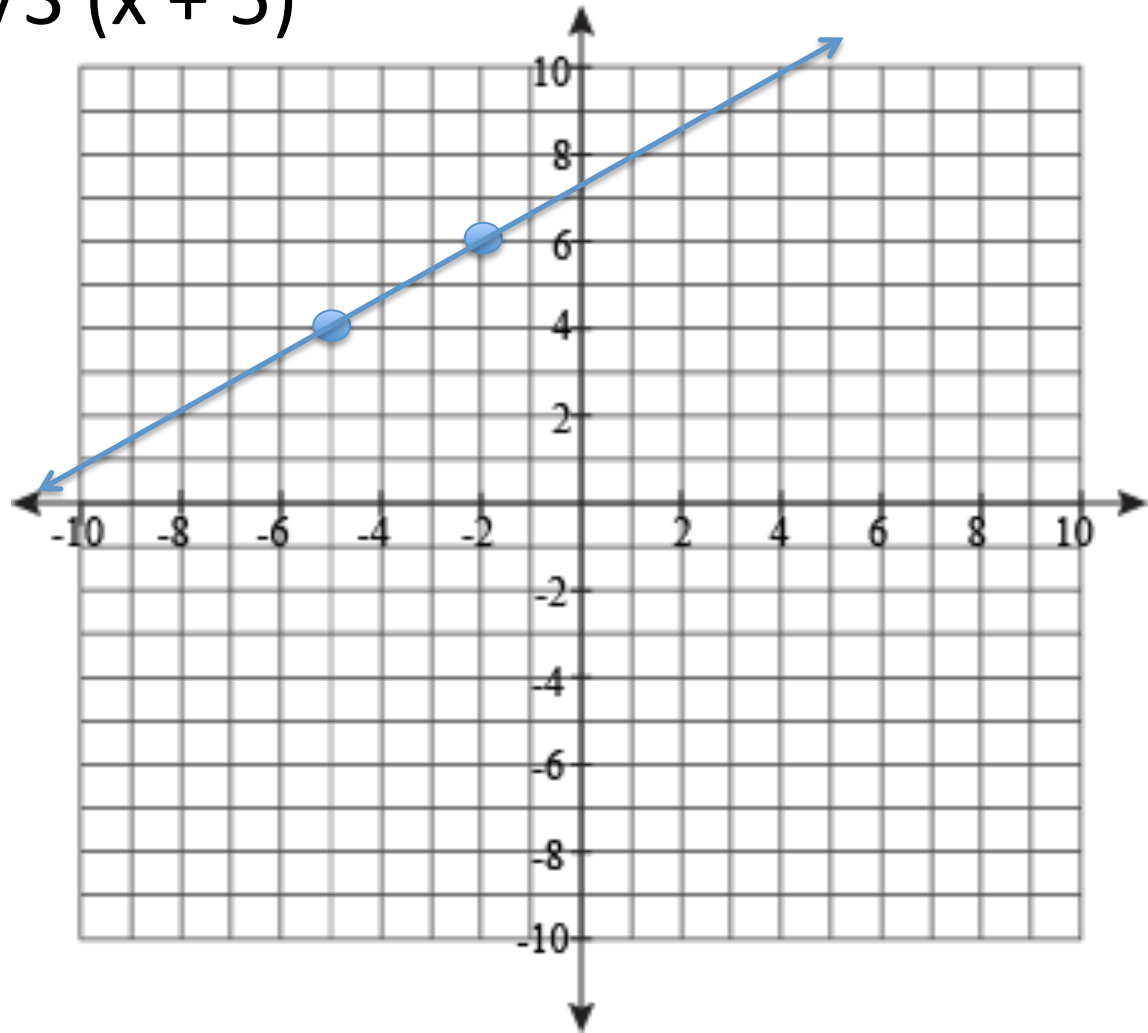
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# Homework Correction

- Take out homework
- Pass your group's homework papers one group CLOCKWISE
- Each group will grade their problem on the worksheet
  - 0.5 points for the correct equation
  - 0.5 points for the follow up question
  - Be sure to leave comments as to which part the person got incorrect
- 5 minutes per group, then when teacher says, rotate papers one group CLOCKWISE again

# Practice 1: Graphing

- Graph  $y - 4 = \frac{2}{3}(x + 5)$

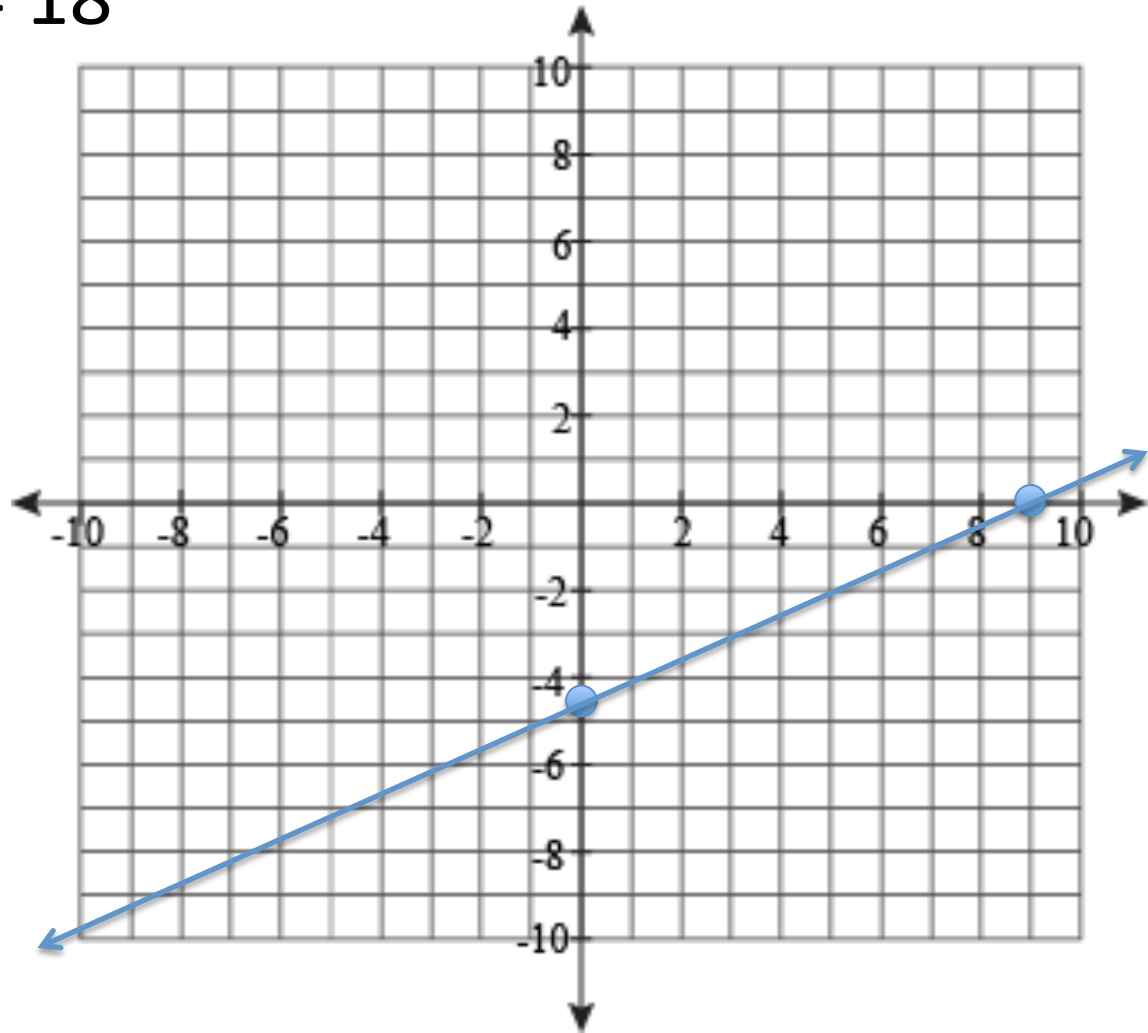


# Practice 2: Graphing

- Graph  $2x - 4y = 18$

x-intercept:  
 $(9,0)$

y-intercept:  
 $(0,-4.5)$



# Practice 3: Converting to Standard Form

- Convert  $\frac{2}{3}x = \frac{1}{4}y - 7$  to standard form

$$8x - 3y = -84$$

## Practice 4: In Context

- A water reservoir drains at about 0.8 gallons every month from hikers and evaporation. After 6 months, the reservoir has 3.2 gallons left. Create an equation in point-slope form that represents the amount of water,  $y$ , in the reservoir after  $x$  months.

$$y - 3.2 = -0.8(x - 6)$$

Bonus: How many gallons does the reservoir hold?

**8 gallons**

# Practice 5: In Context

- The Ewa Makai PAL basketball team scored 84 points at the last game. Unfortunately they didn't make any free throws, but they did make  $x$  number of 2-point shots and  $y$  number of 3-point shots. Write an equation in standard form that expresses the total points scored based off of the 2 and 3 point shots made.

$$2x + 3y = 84$$

Bonus: How many 3-point shots were made if the referee counted 33 2-point shots

**6 three-point shots**