

# **Test Review**

**October 10, 2016**

**Mr. Collin**



# Announcements

- Projects graded and will be returned tomorrow
  - No, I don't have your grade memorized
- A lot of projects were well below the minimum requirement!
- Test on Wed/Thu will cover chapters 2 and 3



# Retake Tests

- If you have completed test corrections and the worksheet, you can schedule test retakes starting Wednesday



# Test Topics

- The following are the topics for the summative test:
  - Add, Subtract, Multiply & Divide Pos. & Neg. Integers & Fractions
  - Squares and Cubes
  - Absolute Values
  - Convert Between Fractions & Decimals
  - Graphing From a Table



# Test Review

- I will put you in groups of three or four
- You will work on the practice test until the end of the period

# **Test Review**

**October 11, 2016**

**Mr. Collin**



# Announcements

- I will return the projects throughout the period
  - If you don't get yours back, I either didn't receive it or didn't receive your rubric
- If you were not here yesterday, I have the new restroom passes
- Summative Test is on Wed/Thu



# Homework Review

- Get in the groups you were in yesterday
  - I will assign those who were not here yesterday to an existing group
- Each group will assign a reporter
  - The reporter will talk the class through how to do a problem from the homework





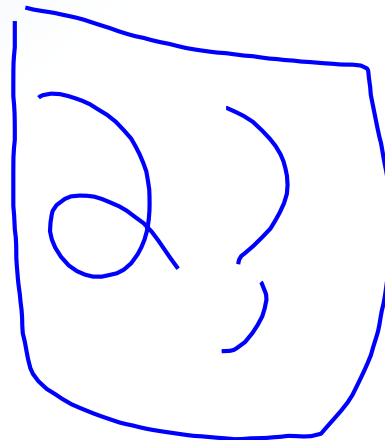
# Problem 1b

$$6 - (-17)$$

$$6 - (-17)$$

$$6 + 17$$

$$3 + 20 =$$





# Problem 1f

$$(-4)^3$$

4 · 4 · 4

$$-64$$



## Problem 3

Describe a real-life situation in which you would use a negative number. How would a negative number help you in this situation?

$\$7$   $\$-7$



## Problem 4

Describe a real-life situation in which you would use an absolute value. How would an absolute value help you in that situation?

$$+7 - 3$$



## Problem 6

A three-foot shelf is to be installed between two walls that are  $32\frac{1}{4}$  inches apart. How much of the shelf will need to be cut for it to fit in the designated space?

$$\begin{array}{r} 3 \\ \times 12 \text{ in} \\ \hline 36 \text{ in} \end{array}$$

$$\begin{array}{r} 36.100 \\ - 32.25 \\ \hline 03.75 \end{array}$$

$$\boxed{3.75}$$

$$\frac{1}{4} \times \frac{25}{25} \frac{25}{100}$$

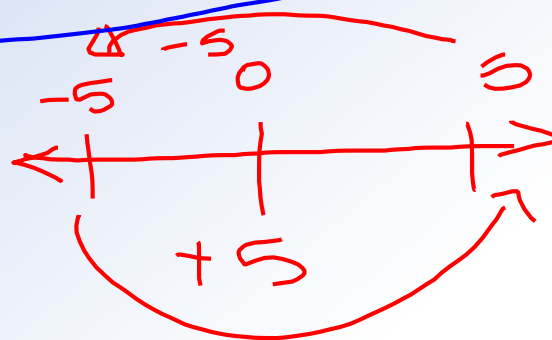


## Problem 5c

If  $x = 3$ ,  $y = 4$ , and  $z = -5$ , find  $-z + 5$

$$-(-5) + 5 = 0$$

$$5 + 5 = 10$$





# Problem 8b

$$4\frac{1}{8} - 2\frac{3}{4}$$

$$\frac{33}{8} - \frac{22}{8} = \frac{11}{8} \rightarrow 1\frac{3}{8}$$

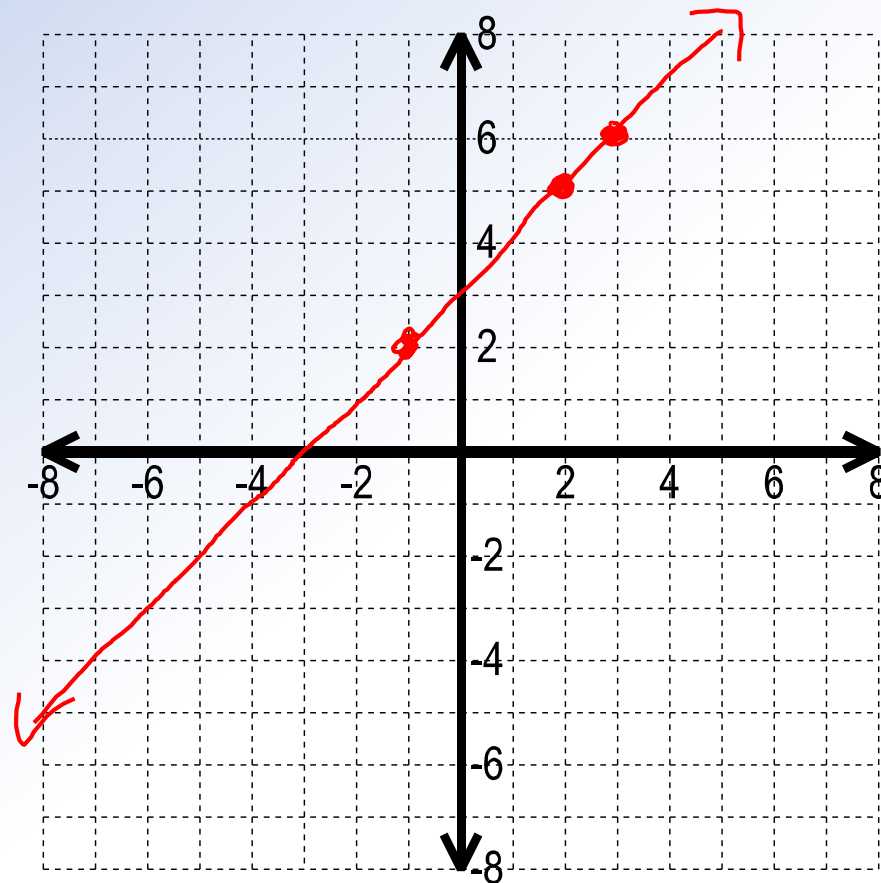
$$\begin{aligned} & 4\frac{1}{8} - 2\frac{6}{8} \\ &= 3\frac{9}{8} - 2\frac{6}{8} = 1\frac{3}{8} \end{aligned}$$



# Problem 9

Graph the equation  
 $y = x + 3$  by making  
a table

x	y
2	5
3	6
-2	1
0	3
-3	0





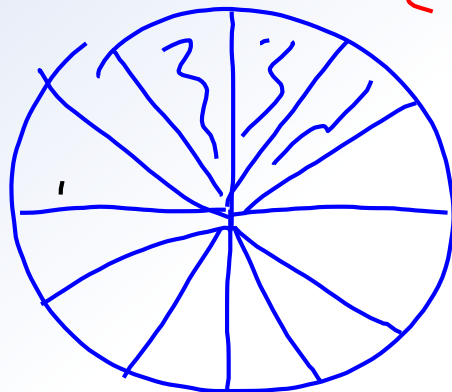


# Problem 11

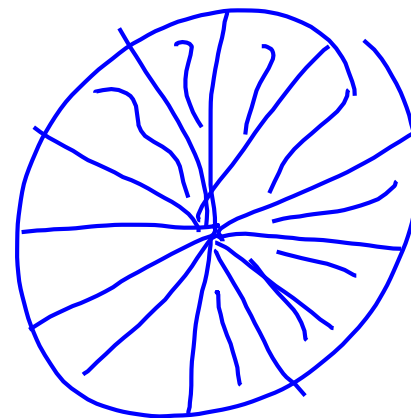
Draw a picture below to show how you could solve the expression  $\frac{1}{4} + \frac{2}{3}$  with pictures.

$$\frac{1}{4} \times \frac{3}{3} = \frac{3}{12}$$

$$\frac{2}{3} \times \frac{4}{4} = \frac{8}{12}$$



+





# Problem 1b

$$6 - (-17)$$

$$6 - (-17)$$

$$23$$

Donk



# Problem 1f

$$(-4)^3 =$$

$$-64$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array} \quad \begin{array}{r} 276 \\ \times 4 \\ \hline 1104 \end{array}$$



## Problem 3

Describe a real-life situation in which you would use a negative number. How would a negative number help you in this situation?

One scenario when  
where you would use a negative  
number would be if you owe something



## Problem 4

Describe a real-life situation in which you would use an absolute value. How would an absolute value help you in that situation?



## Problem 6

A three-foot shelf is to be installed between two walls that are  $32\frac{1}{4}$  inches apart. How much of the shelf will need to be cut for it to fit in the designated space?

$$\begin{array}{r} 3\frac{3}{4} - 32.25 \\ \hline 36.00 - 32.25 \\ \hline 3.75 \end{array}$$



## Problem 5c

If  $x = 3$ ,  $y = 4$ , and  $z = -5$ , find  $-z + 5$

$$-z + 5$$

$$5 + 5 = 10$$



# Problem 8b

$$4\frac{1}{8} - 2\frac{3}{4}$$

Handwritten red annotations showing the conversion of  $2\frac{3}{4}$  to  $2\frac{6}{8}$  and the borrowing process from  $4\frac{1}{8}$  to  $3\frac{9}{8}$ .

$$4\frac{1}{8} - 2\frac{6}{8}$$
$$3\frac{9}{8} - 2\frac{6}{8} = 1\frac{3}{8}$$



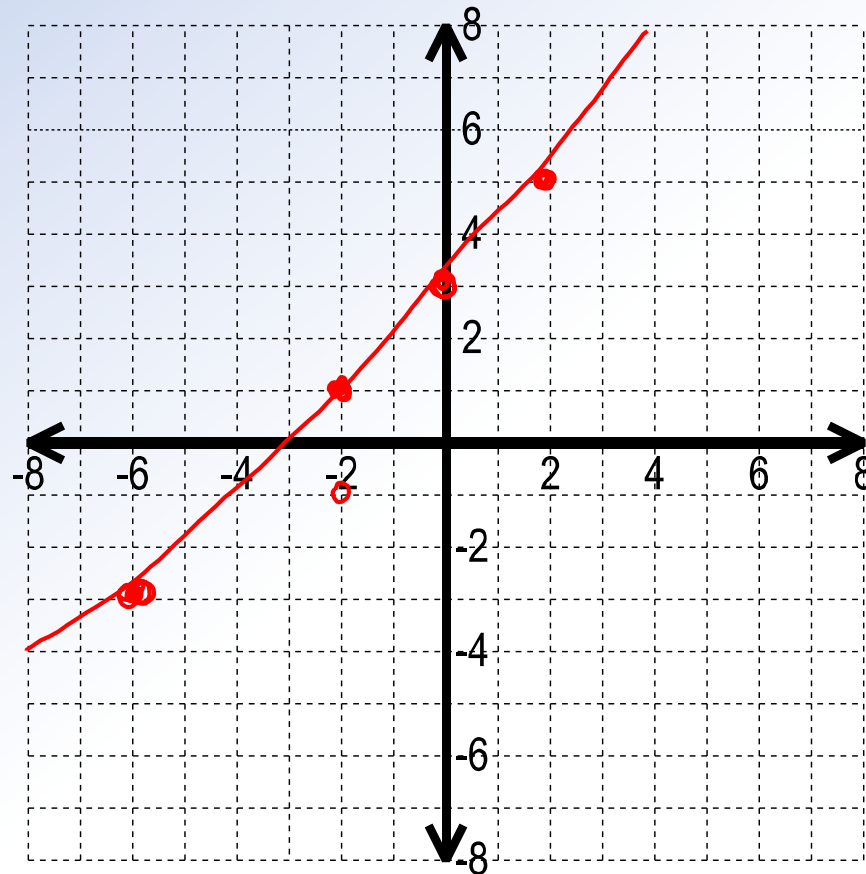


# Problem 9

Graph the equation  
 $y = x + 3$  by making  
a table

$y = x + 3$

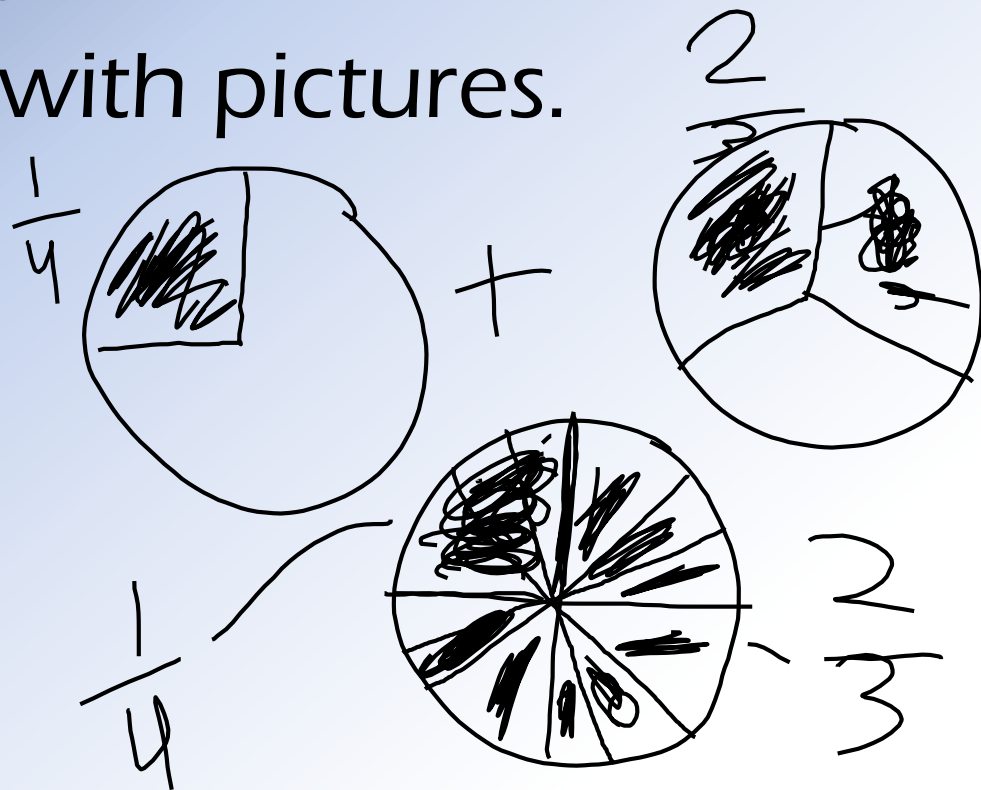
x	y
0	3
2	5
-6	-3
-2	1





# Problem 11

Draw a picture below to show how you could solve the expression  $\frac{1}{4} + \frac{2}{3}$  with pictures.



# **Chapter 4 Preview**

**October 14, 2016**

**Mr. Collin**



# Announcements

- If you did not submit your project, I will give you two topics on Monday
  - If you want to redo the project for a higher grade, let me know today
- You will have three weeks from Monday to turn in the new project



# Chapter 4 Topics

- Exponents & Roots
  - Including how to multiply & divide
  - Negative Exponents
- Scientific Notation
- The Real Number System



# Intro to Powers

Let's look at an exponential expression:

*Base* →  $5^2$  ← *Exponent*