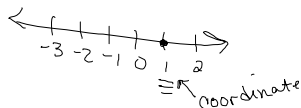


PRE-ALGEBRA

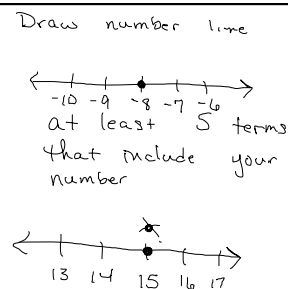
September 26-30

- Monday, September 26, 2011
- SW review comparing and ordering integers and working with absolute value
- 1. SW complete review quiz
- 2. CW review reading about integers and absolute value and work through various examples
- 3. SW begin working on homework with a partner

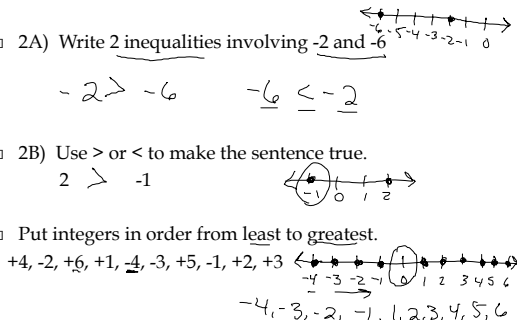
- Negative Numbers: numbers less than zero
- Integers: whole numbers and their opposites ... -3, -2, -1, 0, 1, 2, 3, ...
- Coordinate: number that corresponds to a point on a number line



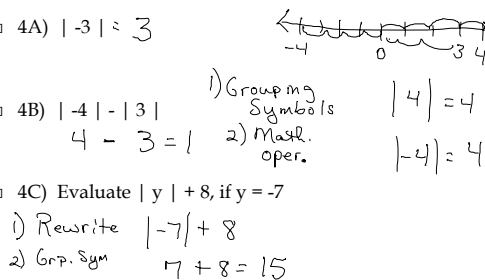
- 1A) a loss of 8 yards
- 1B) a deposit of 15



- Inequalities: $>$ greater than, $<$ less than
- 2A) Write 2 inequalities involving -2 and -6
- 2B) Use $>$ or $<$ to make the sentence true.
- Put integers in order from least to greatest.



- Absolute Value: how far a number is from zero on the number line - Always positive
- 4A) $|-3| = 3$
- 4B) $|-4| - |3|$
- 4C) Evaluate $|y| + 8$, if $y = -7$



- Class Work: Page 81; 1-15 odd
- Homework: Page 81-82; 16-58 even, 59-66 all
Read and take notes pages 86-88

- Tuesday, September 27, 2011
- SW review rules for adding two or more integers

1. SW complete review quiz
2. CW review student notes on adding integers with and without a number line.
3. SW complete class work and turn it in
4. SW begin working on homework with a partner

Integers: whole numbers & their opposites

Absolute Value: how far a number is from zero - always positive

- Adding integers with the same sign
Add the absolute values & keep the sign
- If signs are the same find the sum (+) & keep the sign
- Adding integers with different signs
Subtract the absolute values & keep the sign of number with higher absolute value
- If signs are different find difference (-) & keep sign of higher absolute value

- Integers with the same sign: finding the sum keeping sign

$$\square -8 + (-2) = -10$$

$$8 + 2 = 10$$

$$2 + 3 = 5$$

$$\square -1 + (-12) = -13$$

$$1 + 12 = 13$$

- Integers with different signs using a number line

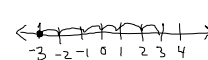
$$\square 5 + (-2) = 3$$

←| | | | |→ 1) If second term is neg. you go left
0 1 2 3 4 5

$$\square 4 + (-8) = -4$$

←| | | | |→ If second term is pos. go right
-5 -4 -3 -2 -1 0 1 2 3 4

$$-3 + 6 = 3$$



- Integers with different signs without number line:
Find the difference - Sign higher abs. value

$$\square -9 + 4 = -5$$

$$9 - 4 = 5$$

$$\square 12 + (-5) = 7$$

$$12 - 5 = 7$$

$$\square -3 + 8 = 5$$

$$8 - 3 = 5$$

Rewrite w/ larger # first.

- Adding more than two integers:

1) Rewrite putting same signs together

$$\square 4 + [(-2) + (-7)] = 5$$

$$4 + (-9) = 5$$

$$\square -10 + 3 + (-7) + 12 = 5$$

$$(-10 + (-7)) + (3 + 12) = 5$$

$$-17 + 15 = 5$$

$$17 - 15 = 2$$

Be careful w/ signs

- ▣ Class work: Page 89; 1-12 all
- ▣ Homework: Page 89; 14-29 every third
34-42 even
43-45 all

- ▣ Wednesday, September 28, 2011
- ▣ SW review for test tomorrow on lessons 1.5, 1.6, 2.1, and 2.2
- ▣ 1. Complete review quiz
- ▣ 2. Review for test
- ▣ 2. Review worksheet
- ▣ 3. Homework: Page 71-72; 36-44 even
Page 117; 10-24 even
Study

▣ Variables and Equations

Equations have equal signs

Solving Equations

Group Answers: $2x + 2 = 6$; 1, 2, 3

Var:	Equation	T/F	Labels

Mental Math:

$$2 + y = 7$$

$$y = 5$$

▣ Ordered Pairs and Relations

Ordered Pairs: used to locate a point on the coordinate plane

Relation:

▣ Integers and Absolute Value

Integers: Whole numbers and their opposites

Negatives: are numbers less than zero

Absolute Value: how far a number is from zero on the number line
- Always positive

Solve Inequalities
Compare two integers

▣ Adding Integers

Same Sign: add their absolute values & keep the same sign

$$-2 + -2 = -4$$

$$2 + 2 = 4$$

Different Signs: if signs are different you subtract the absolute values & keep the sign of the higher absolute value

$$-7 + 3 = -4$$

$$7 - 3 = 4$$

$$2a. \quad (-22) + 54 = +32$$

$$\quad \quad 22 \quad 54$$

$$\quad \quad 54 - 22 = 32$$

$$7a. \quad (-96) + 65 = -31$$

$$\quad \quad 96 - 65 = 31$$

- ☐ Thursday, September 29, 2011
- ☐ SW have the entire class period to complete their test.
- ☐ Homework: Finish dictionary project due Monday, October 3. 10% off for each day late.

- ☐ Friday, September 30, 2011
- ☐ SW equations with and without mental math
- ☐ SW read and take notes from course 2 book, pages 26-28.

- ☐ Equation:
- ☐ Solution:
- ☐ Solving the equation:
- ☐ Mental math:
- ☐ Distance formula:

- ☐ Tell whether the value of the variable is a solution of the equation.
- ☐ $3x = 12$; $x = 4$
- ☐ $7 = 13 - n$; $n = 5$
- ☐ $6 \div y = 3$; $y = 2$

- ☐ Solve the equation using mental math.
- ☐ $7x = 35$
- ☐ $15 = n - 6$
- ☐ $12 + a = 32$
- ☐ $24 \div n = 6$
- ☐ A car travels on a highway at a constant speed. If it takes the car 2 hours to drive 100 miles, at what speed is the car traveling?

- ▣ Class work: Page 28; 1-11 all
- ▣ Homework: Page 29-30 (Course 2 book) 20-28 even
Pre-Algebra Book-Read and take notes
on pages 93-95