Unit Two *Elluminate* Session

Please go through a sound check up at the top so that you can hear us!!!!

You do that by going to the top of the screen and under Tool – go to Audio. Please go through the Audio Wizard to make sure that you can hear!!! We will start the session at 7:00. Be ready by either printing out the PowerPoint Presentation or having paper so you can work through the questions as we go through them. EXRA CREDIT IS ONLY GIVEN WHEN YOU TURN IN THE WORK!!!! If we are going too fast for you, you can always watch the recording tomorrow or about ½ hour after the live session ends.

- Practice Writing with Integers

  I spent 32 dollars at the store
  I deposited 15 dollars
  I fell 3.4 inches

Absolute value

When would it be positive?

$$|-4|$$

$$-|-4|$$

When would it be negative?

$$-|-13|$$

$$|13|$$

Number Line Model

3 + (-2)

(-4) - 5

Chip Model

$$3 \bullet (-4) =$$

$$15 \div 3 =$$

$$1 - 4 =$$

$$-2 + 9 =$$

Operations with Integers

-12 + (-4)=

-8 + (+3)=

4 – (-3)=

-5 – (-2)=

$4 \bullet (-3) =$

$(-144) \div (-12) =$

Order of Operations

$$4+(3+5)\div 2+2^3$$

$$|4-10|+(-4)-(-5)$$

$$\left[(4\bullet 3-1)-2+\frac{12}{3}\right]-(-3)$$

Properties

Give an example of each property – don't forget that you can include fractions, absolute value, and square roots.

- Multiplicative Identity:
- Additive inverse
- Commutative property of addition
- Multiplicative inverse
- Property of 0
- Associative property of addition
- Distributive property

More old stuff!!!!

$$3^0$$

$$(-3)^3$$

$$-\sqrt{49}$$

$$\frac{3^3}{9}$$

$$-\left(\frac{2}{3}\right)^{-2}$$

$$1\frac{4}{5}+\frac{3}{10}=$$

$$2\frac{1}{3}\div\frac{7}{8}$$

Make sure that you study the following:

- Absolute values
- <, >, or = when it comes to integers
- Know how to order integers from least to greatest and greatest to least
- Know how to use a number line and the chip models for all operations
- Look over your rules when solving equations with all operations
- PEMDAS!!!!
- Look over your properties and scientific notation
- Look over your positive and negative exponents
- Go over some fraction questions – all operations.

Quick Practice on the rest of the stuff:

- A submarine goes down into the ocean 13 feet_____
- What is the opposite of -9 _____
- Order from greatest to least: $|-4|, -10, 4, -2, 0$
- What is the scientific notation to 0.0000434
- What is the scientific notation to 54,000,000
- What are some ways that students can write scientific notation incorrectly?

- When we have parenthesis around numbers with exponents – Don't forget to:

$$-(5)^2 \qquad (-2)^4$$