

	Name:	Date: 9-8-16
	Topic/Objective: SWBAT +, - Integers	Class/Period:
Homework??		
Questions/Main Ideas:	Notes:	
Vocabulary:	<p style="text-align: center;">Rules for Adding integers</p> <p>R1: Same Sign = Add + keep the common sign.  <math>5 + 2 = 7</math>  <math>-5 + -2 = -7</math></p> <p>R2: Different sign = Subtract and keep the sign of the higher number.  <math>-5 + 2 = -3</math>      <math>5 + -2 = 3</math></p>	
Examples for Adding Integers	<p>1.) <math>18 + 20 = 38</math></p> <p>2.) <math>-18 + -20 = -38</math></p> <p>3.) <math>-18 + 20 = 2</math></p> <p>4.) <math>18 + -20 = -2</math></p>	

Now on to Subtracting Integers.....

R1. you must rewrite the problem!!

1.) Turn each subtraction into an addition sign.

2.) Take the opposite of the number behind the sign.

Examples of Adding and Subtracting Integers

Ex1:  $4 - 9$   
 $4 + -9 = \boxed{-5}$

EX2:  $-6 + 2 - 1 =$   
 $-6 + 2 + -1 =$   
 $-4 + -1 = \boxed{-5}$

rewrite  $\Rightarrow$

Ex 3:  
 $-6 - 2 - 3 - (-1) - 2 - 3 =$   
 $-6 + -2 + -3 + 1 + -2 + -3 =$   
 $-8 + -3$   
 $-11 + 1$   
 $-10 + -2$   
 $-12 + -3 = \boxed{-15}$

Ex4:  
rewrite  $\Rightarrow$   
 $2 + -3 - (-2) + 4 - 2 + 1 - (-2) =$   
 $2 + -3 + 2 + 4 + -2 + 1 + 2 =$   
 $-1 + 2$   
 $1 + 4$   
 $5 + -2$

$3 + 1$   
 $4 + 2 = \boxed{6}$

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<b>Summary:</b>	

