

Name:	Date:
Topic/Objective:	Class/Period:

Homework???

Questions/Main Ideas:

Notes:

Vocabulary:

Rules for Multiplying and Dividing Integers

The rules are the same for multiplication and division

R1: Same Sign = positive sign

(N) x (N) is equal to a +

$$-6 \cdot -6 = 36$$

(P) x (P) is equal to a +

$$6 \cdot 6 = 36$$

R2: Different Sign = negative sign

(N) x (P) is equal to a -

$$-6 \times 6 = -36$$

(P) x (N) is equal to a -

$$6 \times -6 = -36$$

Examples:

$$2(5) = 10$$

$$-2(5) = -10$$

$$(-1)(-1)(-1) = -1$$

$$(-1)(-1)(-1)(-1) = 1$$

$$(2)(-6)(-256)(28,650)(-2)(0) = 0$$

Another way to remember.....

If there is an odd number of negative signs, the sign in the answer is always negative

If there is an even number of negative signs, the sign in the answer is always positive

rewrite \Rightarrow

-8

0

$$-2 - (-3) + 3 - 2 - (-1) + -5 + 2 - 1 - 3 - 4 =$$

$$-2 + 3 + 3 + -2 + 1 + -5 + 2 + -1 + -3 + -4$$

$$1 + 3$$

$$4 + -2$$

$$2 + 1$$

$$3 + -5$$

$$-2 + 2$$

$$0 + -1$$

$$-1 + -3$$

$$-4 + -4 = -8$$

Summary:	

