Name: ______ Notes 1.1: Adding Integers

Objective:

- I can determine the sum of two integers with the same signs.
- I can determine the sum of two integers with different signs.
- I can add integers on a number line.

Warm up:

Absolute Value: is the ______ between the number and zero on a number line. The **absolute value** of a number is always ______.

Directions: Determine the absolute value of each of the following.

1. |8| 2. |-19| 3. |-52| 4. |123|

Adding two integers on a number line:

- 1. Start at 0 and draw an arrow to the first integer.
- 2. From that point
 - a. If the second integer is negative; go to the _____.
 - b. If the second integer is positive; go to the _____.

Directions: Use a number line to evaluate each expression.

Example 1: -6 + (-2)



Example 2: 4 + 5



Example 3: -5 + 12



Add Integers with the same signs:

- 1. Determine the absolute value of each ______.
- 2. Determine the _____ of the absolute value.
- 3. Keep the _____ sign.

Directions: Determine the sum of the following expressions.

Example 1: -32 + -29

Example 2: -65 + (-54)

Example 3: 6 + 7

Example 4: -4 + (-18)

Add Integers with different signs:

- 1. Determine the absolute value of each ______.
- Find the _____ of absolute values.
 Keep the sign of the _____ number.

Directions: Determine the sum of the following expressions.

Example 1: -12 + 17

Example 2: 7 + (-29)

Example 3: 56 + (-34)

Example 4: -3 + 13

Can you solve these? 1. (-17) + (-19) + 17

2. -85 + (-26) + 71

Name: ______ Exit Ticket 1.1: Adding Integers

Objective:

- I can determine the sum of two integers with the same sign.
- I can determine the sum of two integers with different signs.
- I can add integers on a number line.

Directions: Evaluate the expression below using a number line.

1. -5 + (-4)



Directions: Evaluate each expression using the rules of adding integers. 2. -8 + (-6)

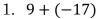
3. -56 + 28

Name: _____ Homework 1.1: Adding Integers

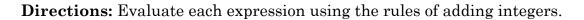
Objective:

- I can determine the sum of two integers with the same sign.
- I can determine the sum of two integers with different signs.
- I can add integers on a number line.

Directions: Evaluate the expression below using a number line.







4.
$$-18 + (-12) =$$

5.
$$-18 + 21 + (-35) =$$
