

Algebra I

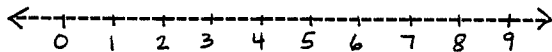
Notes 3.2 Integer Subtraction

Objectives: Use models for integer subtraction.

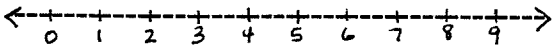
Subtract integers by adding the opposite.

Slide Model for Addition

$2 + 4 =$

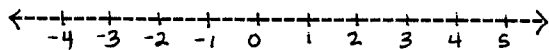


$3 + (-1) =$

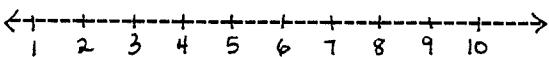


Slide Model for Subtraction

$2 - 4 =$



$8 - 5 =$



Adding a negative is the same as \_\_\_\_\_.

Name the three possible meanings for a “-“ sign:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

$-(-2) =$

“(

Tile Model for Addition

$2 + 4 =$

$3 + (-1) =$

## Tile Model for Subtraction

$$6 - 4 = \quad =$$

$$8 - 5 = \quad =$$

Subtracting is the same as adding the opposite.  $a - b =$

S - \_\_\_\_\_

M - \_\_\_\_\_

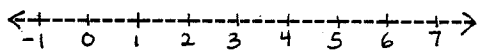
A - \_\_\_\_\_

T - \_\_\_\_\_

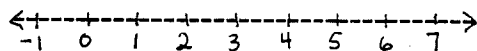
O - \_\_\_\_\_

## Subtracting A Negative

Slide Model:  $3 + (-2) =$  \_\_\_\_\_



$$3 - (-2) =$$
 \_\_\_\_\_



Tile Model:  $3 - (-2) =$  \_\_\_\_\_

Subtraction is adding the opposite. Subtracting a negative number has the same result as

\_\_\_\_\_  $a - (-b) =$  \_\_\_\_\_