

Name: \_\_\_\_\_

## HW#1.1 Analyzing adding and subtracting Integers

To receive full credit on this homework you must answer each question and fill in each blank section. Use the examples to create your conclusions.

<p>Section# 1</p> <p>1.) <math>-8 + 3 = -5</math>      2.) <math>-10 + 2 = -8</math> 3.) <math>3 + -5 = -2</math>      4.) <math>3 + -7 = -4</math></p> <p>Why are all the answers negative?</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Fill in the blanks:</p> <p>5.) <math>6 + -9 = \square</math>      6.) <math>-7 + 4 = \square</math></p>	<p>Section #2</p> <p>7.) <math>8 + -2 = 6</math>      8.) <math>5 + -1 = 4</math> 9.) <math>-5 + 9 = 4</math>      10.) <math>-3 + 8 = 5</math></p> <p>Why are all the answers positive?</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Fill in the blanks:</p> <p>11.) <math>-2 + 10 = \square</math>      12.) <math>6 + -4 = \square</math></p>
<p>Section #3</p> <p>1a.) <math>5 - 2 = 3</math>      2a.) <math>2 - 5 = -3</math> 1b.) <math>6 - 4 = 2</math>      2b.) <math>4 - 6 = -2</math> 1c.) <math>10 - 2 = 8</math>      2c.) <math>2 - 10 = -8</math></p> <p>What do you notice that is similar between the 1.) answers and the 2.) answers?</p> <p>_____</p> <p>_____</p> <p>Why are the answers different?</p> <p>_____</p> <p>_____</p>	<p>... continue with Section #3</p> <p>Fill in the blanks:</p> <p>1d.) <math>12 - 2 = 10</math>      2d.) <math>2 - 12 = \square</math> 1e.) <math>3 - 2 = 1</math>      2e.) <math>2 - 3 = \square</math> 1f.) <math>7 - 3 = 4</math>      2f.) <math>3 - 7 = \square</math> 1g.) <math>87 - 7 = 80</math>      2g.) <math>7 - 87 = \square</math></p>

Section #4

1a.)  $2 - 5 = -3$       2a.)  $2 + - 5 = -3$

1b.)  $4 - 6 = -2$       2b.)  $4 + - 6 = -2$

Why are the 1 answers the same as the 2 answers? What conclusion can you make?

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Fill in the blank:

3a.)  $2 - 10 = -8$

3b.)  $2 + - 10 =$

Section #5

13.)  $- 2 - 3 = -5$       14.)  $-1 - 2 = -3$

15.)  $-10 - 2 = -12$       16.)  $-2 + -3 = -5$

Why are all the answers negative?

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Which two problems are the same?

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Fill in the blanks:

17.)  $-7 - 2 =$

18.)  $-4 + 3 =$

Section #6

1a.)  $2 + 3 = 5$       2a.)  $2 - - 3 = 5$

1b.)  $-1 + 4 = 3$       2b.)  $-1 - -4 = 3$

1c.)  $-8 + 2 = -6$       2c.)  $-8 - - 2 = -6$

1d.)  $4 + 6 = 10$       2d.)  $4 - -6 = 10$

What conclusion can you make after looking at the examples?

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Fill in the blank:

$3 - - 4 =$

Section #7

Complete the following:

19.)  $3 - 8 =$  \_\_\_\_\_

20.)  $3 + -8 =$  \_\_\_\_\_

21.)  $-5 + 2 =$  \_\_\_\_\_

22.)  $9 + -1 =$  \_\_\_\_\_

23.)  $-4 + 8 =$  \_\_\_\_\_

24.)  $-1 - 3 =$  \_\_\_\_\_

25.)  $-2 + -1 =$  \_\_\_\_\_

26.)  $-2 - - 6 =$  \_\_\_\_\_

