

**MODULE 3****Lesson 5: Using the Identity and Inverse to Write Equivalent Expressions (Exit Ticket)**

I. **Direction:** Rewrite subtraction as adding the inverse for the following problems and find the sum.

1.  $8 - 8 =$  \_\_\_\_\_

2.  $-13 - (-13) =$  \_\_\_\_\_

3. The difference of 6 and 6 = \_\_\_\_\_

4.  $m - m =$  \_\_\_\_\_

II. **Direction:** Add or subtract.

1.  $15 + 0 =$  \_\_\_\_\_

2.  $0 - 4 =$  \_\_\_\_\_

3.  $-9 + 0 =$  \_\_\_\_\_

4.  $0 + b =$  \_\_\_\_\_

III. **Direction:** Write the sum and then write an equivalent expression by collecting like terms.

1.  $5x$  and  $-5x + 2 =$  \_\_\_\_\_

2.  $8x - 1$  and the opposite of  $8x =$  \_\_\_\_\_

3. The opposite of  $(2x - 3)$  and  $2x =$  \_\_\_\_\_

4.  $-6$  and  $6b + 6 =$  \_\_\_\_\_

5.  $x$  and  $1 - x =$  \_\_\_\_\_

6. The opposite of  $2x$  and  $-2 + 2x =$  \_\_\_\_\_

7. The opposite of  $-12m$  and  $9m - 12m =$  \_\_\_\_\_

8. The opposite of  $(-11w - 7w)$  and  $-11w =$  \_\_\_\_\_