

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 $-11w =$ _____