Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_Period: \_\_\_\_\_\_ Date: \_\_\_\_\_\_

**3.1C Combing Like Terms\_Classwork**

*Objective: apply properties of operations to simplify algebraic expressions; solve real-life problem.*

*CC.SS.7.EE.1 and CC.SS.EE.2*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Vocabulary***  Opposite:  Like Terms:  **Example 1:** Identify the Terms and like terms in the expression.   |  |  |  | | --- | --- | --- | | Terms:  Like Terms: | Terms:  Like Terms: | Terms:  Like Terms: |   An **algebraic expression** is in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ when it is no like terms and no parentheses. To combine like terms that have variables, use the Distributive Property to add or subtract the coefficients.  **Example 2:** Simplify the expression   |  |  |  | | --- | --- | --- | |  |  |  |   **ON YOUR OWN:** Simplify the expression.   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  |   **Example 3:** Write the sum and then write an equivalent expression by collecting like terms.   |  |  |  | | --- | --- | --- | | 1. 2x and -2x + 3 | 1. 2x – 7 and the opposite of 2x | 1. The opposite of (5x – 1) and 5x | | |
| **Example 4:** Critical Thinking | |
| 1. Explain why the two expressions are not equal to each other. | 1. Is xy the same as yx? Explain. |
| 1. Explain Sally’s mistake in the following problem. | 1. Jose and Amy were asked to combine Decided who is correct. Explain. |

Homework: worksheet- 3.1C HW #1-14 ALL