

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

Date: \_\_\_\_\_

## Combining Like Terms Guided Notes Part 2

### How to Combine Like Terms

To Combine Like Terms, we add together items that are the same to make a simplified shorter list of items.

Consider the following family take-away order:



We can write this in Algebra as:

If we combine like items, we get a simplified list as follows:



Images from Clker.com

### Subtracting Like Terms

We can also Subtract Like Terms

Suppose that we have bought 5 apples and 6 bananas, but we eat two bananas before putting our fruit into the bowl.



The Algebra is:

**Like Terms:** terms with the same \_\_\_\_\_ and \_\_\_\_\_.

Ex:  $6x^3$  and \_\_\_\_\_  $4z$  and \_\_\_\_\_  $-9$  and \_\_\_\_\_

### Combining Like Terms Steps

**Step 1:** \_\_\_\_\_ your terms.

- Draw \_\_\_\_\_ around or \_\_\_\_\_ your like terms.

**Step 2:** Combine the \_\_\_\_\_ of the like terms. Keep the \_\_\_\_\_ and

\_\_\_\_\_ the same.

**Ex 1:**  $-12y^2 + 4y - 19 + y^2 + 4$

**Ex 2:**  $-4t^2 + (-tp) + (-5) + (-2p) + 13 + 7t^2 - 5tp$