**Combining Like Terms Guided Notes**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ are terms whose \_\_\_\_\_\_\_\_\_\_\_\_ (including exponents) are the same.**

**Examples of Like Terms:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ are terms that do not have the same \_\_\_\_\_\_\_\_\_\_ to the same \_\_\_\_\_\_\_\_\_\_\_.**

**Examples of Unlike Terms:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Combining Like Terms in Expressions**

**You \_\_\_\_\_\_\_ only combine like terms. You \_\_\_\_\_\_\_ combine unlike terms.**

**Example 1: Simplify**

$$5x+4y+9x+7$$

**Example 2: Simplify**

$4x^{2}+5y+8+3x^{2}-5$

**Example 3: Simplify**

$$7y^{2}+a+11-a$$

**Example 4: Simplify**

$$\frac{2}{3}y^{2}+2x+11\frac{3}{4 }y^{2}+5x$$

**Practice**

**Add like terms.**

**1).** $2x+5y+8-3y-1$

**2). 8**$t^{3}+9t^{2}+15t+7t^{2}$

**3).** $3h+13g+6h+14+5g-4$

**4).** $20+\frac{1}{5}y+14+\frac{2}{9}y$