**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**M8-U6: Notes #6 – Scientific Notations Operations: Addition & Subtraction**

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

**Warm-Up: Simplify by combining like terms**

 **a)**  **b)** 

 **c)**  **d)** 

**Perform the following operations; leave your answer in scientific notation.**

**Example 1:**  **Example 2:** 

**Try-It!**

 **a)**  **b)** 

**Example 3:**  **Example 4:** 

**Try-It!**

 **a)**  **b)** 

**Example 5:**  **Example 6:** 

**Try-It!**

 **a)**  **b)** 

**Example 7:**  **Example 8:** 

**Try-It!**

 **a)**  **b)** 

**Example 9:**  **Example 10:** 

**Example 11:** 

**Example 12:** A flight from Singapore to New York includes a stopover in Hawaii. The distance between Singapore and Hawaii is about  miles. The distance between New York and Hawaii is about  miles.

 **a)** Find the total distance from Singapore to New York.

 **b)** How much farther is the first half of the trip compared to the second half of the trip?

**Try-It!:**

At a given time, Saturn was  miles from the Sun and Earth was  miles from the Sun. By what distance is one planet closer to the Sun than the other planet?