**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_Hour: \_\_\_\_\_**

**STATIONS: Algebraic Expressions** HW # \_21\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Station #1**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | **Station #2**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **Station #3.**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | **Station #4**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **Station #5**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Station #6**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **4**. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |

**Station #1**

**Simplify the Expression:**

1.

2.

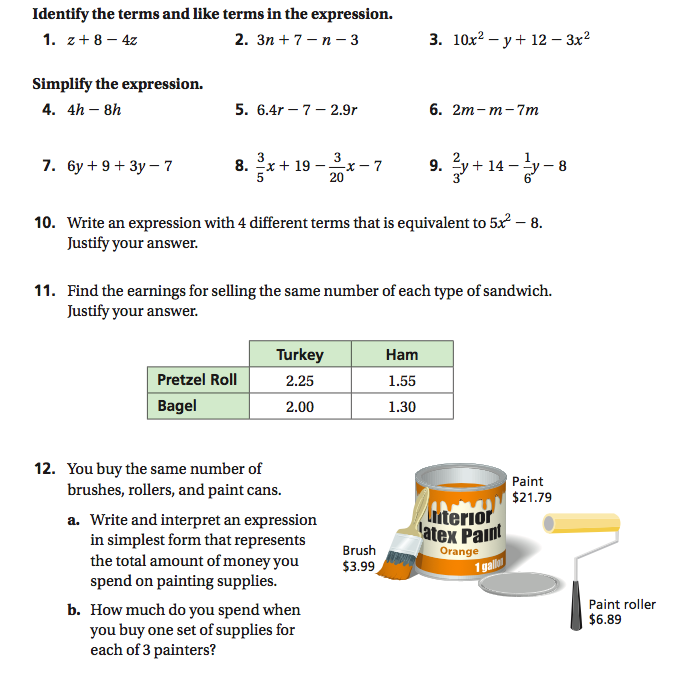
3.

**Station #2**

**You buy the same number of brushes, rollers, and paint cans.**

**1. Write and interpret an expression in simplest form that represents the total amount of money you spend on painting supplies.**

**2. How much do you spend when you buy one set of supplies for each of 3 painters?**



**Station #3**

**Find the sum.**

**1.**

**2.**

**3.**

**Station #4**

**Find the difference.**

**1.**

**2.**

**3.**

**Station #5**

**1. You class project involves recycling aluminum cans. After x weeks, your class has aluminum cans. The class goal is to collect aluminum cans. How many more aluminum cans does your class need to collect.**

**2. A rectangle has a width of and a height of . Find the perimeter of the rectangle.**

**Station #6**

**Greenland has a population of *x* people. Barbados has a population of about 4500 more than 5 times the population of Greenland.**

**1. Write an expression for Greenland’s population.**

**2. Write an expression Barbados’s population.**

**3. Which country has more people?**

**4. Find and interpret the difference in the populations of these two countries.**