Expressions

An expression is a combination of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Parts of an Expression:**

|  |  |  |  |
| --- | --- | --- | --- |
| TERMS | CONSTANT | COEFFICIENT | LIKE TERMS |

**What can you do with an expression?**

Simplify means to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ like \_\_\_\_\_\_\_\_\_\_\_, and reduce all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Must have the same \_\_\_\_\_\_\_\_... not x and xy.

2. Must have variable raised to same \_\_\_\_\_\_\_\_ ... not x and x2.

3. Numbers by themselves (\_\_\_\_\_\_\_\_) are always added together.

4. When identifying like terms, circle the \_\_\_\_\_\_\_ AND the \_\_\_\_\_\_\_\_\_\_ in front of it.

5. Integers are key component here - you must follow integer operation rules - ALWAYS!!

Example: -2x + 3y – 4x – 9y + 2x2

1. 3x2 + 6y + 7y – 3x2 2. 3x + 2y – 2x + 5y

3. 4a2 – 3b2 + 4b + 10a2 4. -3x + 5x – 2y + 5x

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | 2. | 3. | 4. |
| 5. | 6. | 7. | 8. |