**Notes – Identifying Expressions/Equations/Inequalities**

|  |  |
| --- | --- |
| What is an **Expression?** | * Math phrase containing numbers, operations and/or variables.
* Can be evaluated or simplified, but cannot be solved.
* Can contain variables, numbers and operations.
* NO EQUAL SIGN!!!
 |
| What is an **Equation?** | * Math sentence that states expressions are equal.
* Can be solvedand usually has one solution.
* Can contain variables.
* Like a balanced scale
* HAS AN EQUAL SIGN!!!
 |

|  |  |  |
| --- | --- | --- |
| 1. 7w + 8 + 6w - 3
 |  | 1. x + 3x = 14
 |
| 1. 2z + 5 = 25
 |  | 1. 7
 |
| 1. 4x = 8
 |  | 1. 8 = 8
 |
| 1. 14 + 9
 |  | 1. z + z + z
 |
| 1. 18g ÷ 2 • 3 = 5g - 6
 |  | 1. a
 |
| **Check the correct column. \*May apply to more than one\*** | **Expression** | **Equation** |
| 1. Contains an equal sign
 |  |  |
| 1. Cannot be “solved”
 |  |  |
| 1. 3x + 4
 |  |  |
| 1. 10 + 3 = 13
 |  |  |
| 1. Usually has one solution
 |  |  |
| 1. 12 = 3 + x
 |  |  |
| 1. Can contain numbers
 |  |  |
| 1. A mathematical sentence
 |  |  |
| 1. 4 = 12 ÷ 3
 |  |  |
| 1. Can contain variables
 |  |  |