**8.1/8.2: Solving Equations**

|  |
| --- |
| Drills |
| Simplify        For the expression  state the following:   * Coefficient(s): \_\_\_\_\_\_\_\_\_\_\_  * Constant(s): \_\_\_\_\_\_\_\_\_\_  * Variable component(s): \_\_\_\_\_\_\_\_\_\_\_  * Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  * Degree: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Recall that an **equation** is a relationship between 2 equal parts.

* An equation must include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



* If it does not, it is called an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!



To **solve** an equation means: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



**GOLDEN RULE:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



We will solve equations by performing BEDMAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to get the variable component \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!



You are trying to “UNWRAP” the equation.

Ex. 1: Solve the equation 



We can check or verify our solution to an equation by plugging our solution back into the equation!



* **Check** your solution from Ex. 1



Ex. 2: Verify that a=2 is a solution to the equation .



Ex. 3: Solve the following equations. CHECK your solutions!

(a)  (b) 



(c)  (d) 



**PRACTICE:** Pg. 311 #2, 5, 7, 9, 12, 13, 14