Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**THIS HOMEWORK IS DUE BY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Weekly Homework 2.1 Mrs. Zunich

1. What is an equation?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Complete the table below and identify the inverses of the following operations.

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| --- | --- | --- | --- |
| **ADDITION** | **SUBTRACTION** | **MULTIPLICATION** | **DIVISION** |
|  |  |  |  |

1. Draw a picture of the vocabulary words below.

|  |  |
| --- | --- |
| **EQUATION** | **EXPRESSION** |

|  |  |  |
| --- | --- | --- |
| **VARIABLE** | **COEFFICIENT** | **CONSTANT** |

1. SOLVE: Determine the solution to the following equations below.
2. $x+12=34$ c) $y-32=217$
3. $\frac{d}{32}=17$ d) $9v=234$
4. DISTRIBUTE & COMBINE LIKE TERMS: Using your knowledge of distribute and combine like terms, simplify the following expressions.
5. $4(x+12)$ c) $32x+5-16x+12$

1. $4\left(x+12\right)-5x$ d) $4\left(x+12\right)+32-5x$
2. REFLECTION: Circle the picture that best describes how YOU feel about changing multiplying values in scientific notation.

