MATH TEST

8th Grade – III Partial

Student's Name: _____

Teacher's Name: Juan Carlos Gutierrez **Score:** _____

School Year: 2020 – 2021 **Points: 35%**

Topics: **Subtracting like terms, Operational order in Algebraic expressions, evaluating an Algebraic Expression and Multiplying powers.**

Date: _____

Teacher Comment:

PART I. TRUE OR FALSE — 5 pts. (1 pt. each)

Instructions: Write in the parenthesis a **T** if the statement is true and an **F** if it is false. **If the answer is false, justify your answer by filling in the blank.**

1. **Like terms** in a Polynomial can also be subtracted..... ☐
   _____
2. The terms 6x and 4x are **like terms** since they have the same coefficient..... ☐
   _____
3. **In Algebra** expressions are solved in a certain order..... ☐
   _____
4. To **evaluate an algebraic expression** means to find the value of an algebraic expression by substituting numerical values for the letters ..... ☐
   _____
5. To **multiply powers** that have the same base, add not the exponents and keep the same base..... ☐
   _____

PART II. MATCHING — 6 pts. (1 pt. each)

Instructions: Match the word from column A that best matches each definition in Column B.

COLUMN A	COLUMN B
1. First	_____ Solve the powers.
2. four	_____ Do the multiplication and division in the order in which they appear.
3. Second	_____ Solve expressions inside parenthesis.
4. Third	_____ Do the addition and subtraction.
5. Evaluate algebraic expressions	_____ subtract the numerical coefficients and keep the same literal coefficient.
6. Like terms	_____ remember to use the correct order of operations.

LIVEWORKSHEETS

PART III. PRACTICE **24 points.**

Instructions: Solve the following exercises about Algebra.

1. ***Solve the following exercises to subtract. (8 pts. – 2 e/o)***

23mn -17mm =	10mn - 6mn =
11ax - 5ax =	$34s^2$ $-16s^2$ =

2. ***Simplify the polynomials. (8 pts. – 2 e/o)***

$11x - 7x - 2x=$	$21x^2y + 3xy - 2xy=$
$13x + 4x - 6x + 3x=$	$11ax - 6ax + 4xy + 3ax=$

3. ***Solve the following expressions. (4 pts. – 2 e/o)***

$(5 - 4)(6 + 2)=$	$6^2 - 4 \times 2=$

4. ***Evaluate if x = 4 and y = 5. (4 pts. – 2 e/o)***

$X^2y^2=$	$6x^2 + 3y^2=$

"Success consists of going from failure to failure without loss of enthusiasm." – Winston Churchill

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Mr. Gutierrez

LIVEWORKSHEETS