



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

1. First
2. four
3. Second
4. Third
5. Evaluate algebraic expressions
6. Like terms

COLUMN B

- _____ Solve the powers.
- _____ Do the multiplication and division in the order in which they appear.
- _____ Solve expressions inside parenthesis.
- _____ Do the addition and subtraction.
- _____ subtract the numerical coefficients and keep the same literal coefficient.
- _____ remember to use the correct order of operations.

PART III. PRACTICE**24 points.****Instructions:** Solve the following exercises about Algebra.**1. Solve the following exercises to subtract. (8 pts. – 2 e/o)**

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

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)

$(5 - 4)(6 + 2) =$	$6^2 - 4 \times 2 =$
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4. Evaluate if $x = 4$ and $y = 5$. (4 pts. – 2 e/o)

$x^2y^2 =$	$6x^2 + 3y^2 =$
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“Success consists of going from failure to failure without loss of enthusiasm.” – Winston Churchill

Mr. Gutierrez