

Hi Everyone,

For your summer assignment, please:

- 1) Use the links below to access each of your worksheet assignments. Either print each worksheet out and show all of your work directly on it or use your own lined or graph paper. If you choose the second option, please indicate the worksheet number and its topic, copy down each problem, show all of your work, box your answers, and separate each math problem by a single line.
- 2) Do NOT use a calculator to solve the problems. Show all of the work/ steps, so I can see how you arrived at each of your answers. You can use a calculator to check your work, but do not use it to do the work.
- 3) Do NOT wait until the end of summer to complete these worksheets. There are several reasons why it would be to your benefit to work on assignments over the course of the summer:
 - a. It is important to practice math skills
 - b. It will give you adequate time to complete the assignments
 - c. It will give you time to seek out help if you need it
- 4) Note: These assignments gradually become more challenging, as you go through them.
- 5) Make sure you order your course textbook and have it ready for when school starts.

This assignment will be due on the first day of class and your work will be graded. There will be a quiz within the first week or two of classes, so please make sure you are comfortable with this material. If you need assistance or have any questions, you can email me at rweisman@vths.org. In general, I encourage students to work together and help one another in learning new material. For this reason, I will set up a WhatsApp group to include all of the students in this course. We can use this as a forum for each of you to be able to ask and answer questions and I will be there to assist as well. I look forward to meeting you all in the Fall!

Only and all the best,

Mrs. Weisman

Directions: Complete each of the following assignments to the best of your ability, show all of your work and check your answers. You will not receive credit if you only write down the answer. You **MUST SHOW HOW** you got to your answer.

Please note: The first two pages of each worksheet are the problems you will be working on. The last two pages are an answer key to help you check your work.

1) **Rounding Decimals**

- Complete the entire worksheet

<http://www.mathworksheets4kids.com/rounding/decimals/fill-in-large.png>

2) **Adding & Subtracting Rational Numbers**

- Complete the first page, questions 1-16

<http://cdn.kutasoftware.com/Worksheets/Alg1/Adding%20and%20Subtracting%20Rational%20Numbers.pdf>

3) **Adding and Subtracting Decimals**

(** Note: To add or subtract decimals, you must line up the decimal)

- Complete questions 21-28

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Adding%20and%20Subtracting%20Decimals.pdf>

4) **Adding and Subtracting Fractions and Mixed Numbers**

(** Note: To add and subtract fractions, the denominators must be the same. If they are not, you must make them the same by finding the Lowest Common Denominator “LCD”)

- If your answer is a fraction, make sure it is simplified and in proper form
- Complete questions 1-5 odd, 9-15 odd, 21 and 23.

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Add%20and%20Subtracting%20Fractions%20and%20Mixed%20Numbers.pdf>

5) **Multiplying & Dividing Positive and Negative Numbers**

(** Note: Negative x negative = positive. Negative x positive = negative. Positive x positive = positive)

- If your answer is a fraction, make sure it is simplified and in proper form
- Complete questions 1-3, 9, 12-16 even, 21, 23, 27, 32-36 even

<http://cdn.kutasoftware.com/Worksheets/Alg1/Multiplying%20and%20Dividing%20Rational%20Numbers.pdf>

6) **Multiplying and Dividing Fractions and Mixed Numbers**

(** Note: You cannot divide by a fraction. Instead, you must multiply by that fraction's reciprocal)

(** Note: You cannot multiply by a mixed number. You must convert the mixed number into an improper fraction first, and then you can multiply)

- Whenever possible, please try to cross-cancel.
- If your answer is a fraction, make sure it is simplified and in proper form
- Complete questions 3-19 odd

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Multiplying%20and%20Dividing%20Fractions%20and%20Mixed%20Numbers.pdf>

7) **Order of Operations**

(** Note: Please review the rules for Order of Operations before you begin this worksheet. I prefer the PEMDAS strategy- "Please Excuse My Dear Aunt Sally")

- Complete questions 1, 3-6, 9-15 odd, 25

<http://cdn.kutasoftware.com/Worksheets/Alg1/Order%20of%20Operations.pdf>

8) **The Distributive Property**

(**Note: A negative in front of a set of parentheses represents a -1. You must distribute the -1 into whatever is inside of the parentheses)

- Complete questions 1-3 odd, 5-7, 13, 15, 16

<http://cdn.kutasoftware.com/Worksheets/PreAlg/The%20Distributive%20Property.pdf>

9) **Combining "Like" Terms**

- Complete questions 1-6, 21-27 odd

<http://cdn.kutasoftware.com/Worksheets/Alg1/Combining%20Like%20Terms.pdf>

10) **Evaluating Variable Expressions**

(**Note: Substitute the value of each given variable into the equation and then simplify)

- Complete questions 1, 2, 13-20

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Evaluating%20Variable%20Expressions.pdf>

11) **Simplifying Variable Expressions**

(** Note: Please remember to combine all "like terms")

- Complete questions 1-10

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Simplifying%20Variable%20Expressions.pdf>

12) **Solving One-Step Equations**

- Complete questions 1-7 odd, 11-19 odd, 30

<http://cdn.kutasoftware.com/Worksheets/Alg1/One-Step%20Equations.pdf>

13) **Solving Two-Step Equations**

- Complete questions 1-8, 12, 23

<http://cdn.kutasoftware.com/Worksheets/Alg1/Two-Step%20Equations.pdf>

14) **Solving Multi-Step Equations**

(**Note: This assignment will be worth extra credit)

- Complete questions 2-20 even

<http://cdn.kutasoftware.com/Worksheets/Alg1/Multi-Step%20Equations.pdf>

15) **Factoring Monomials**

(**Note: "Prime Factorization" is finding **which prime numbers** multiply together to make the original number)

- Complete questions 1-5

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Factoring%20Monomials.pdf>

16) **Greatest Common Factor**

- Complete questions 1-10

<http://cdn.kutasoftware.com/Worksheets/PreAlg/Greatest%20Common%20Factor.pdf>

17) **Factoring Trinomials (when a=1)**

(**Note: Please use the **FOIL Method** to check if your answer is correct)

- Complete questions 1-10

<http://cdn.kutasoftware.com/Worksheets/Alg1/Factoring%201.pdf>