

**Accelerated Algebra I/Geometry Honors
Summer Work Instructions**

**Read and follow these directions carefully and thoroughly.
IPAD Textbook: Algebra 1, Carter, Cuevas, Day, Malloy**

I. Homework instructions:

- All homework is to be done in pencil, in a spiral notebook, which will be handed in for a grade when school begins. Your grade will be based on completeness, correctness, and these directions being followed.
- **Read** each section before beginning homework.
- Each section should begin on a new page.
- Label each assignment with the section number and problems assigned.
- Copy each original problem from the book. For word problems, be sure to define your variable, write an equation, solve it, and answer the question in a sentence.
- Work in columns, top to bottom, on the page.
- **Show all work, step by step.**
- All graphing must be done on graph paper.
- Circle your final answer.
- Check your odd numbered problem answers in the back (Look in the left margin at the beginning of each problem set). If correct, mark your answer with a red "C". If incorrect, try to fix it. If you don't know how to fix it, put a red question mark next to it.
- When you have completed all the homework, review it and prepare to take the test.
- Bring your homework notebook to class on the first day of school

II. Test directions:

- Review the homework until you are sure of the material.
- Allow yourself enough time to take the test in one sitting. **Note your starting time.**
- Do all work on the test. If you need more room, do the work on separate loose-leaf, in an orderly fashion, numbering each problem. Staple the work to the back of the test.
- Use a #2 pencil to record all your answers on the Scantron sheet.
- When finished, record the amount of time you spent on the test in the space labeled "Hour".
- Be sure your name is on the test and Scantron.
- Mail all test materials to me in the envelope provided. Mail it in time to arrive no later than the due date.

III. Instructor Contact Information

You can email Mrs. Jensen at njensen@saintviator.com for any questions.

Information on textbooks will be given at IPAD orientation sessions

Homework Assignments – Chapters 1-3

A calculator is NOT to be used for Chapter 1.

Use a straight edge and graph paper for graphs

Staple or tape the graph paper to the appropriate section.

Chapter 1

Section	Topic	Assigned Problems
1.1	Variables and Expressions	21,25,29,33
1.2	Order of Operations	17, 19, 21, 25, 27, 29, 35, 45, 53
1.3	Properties of Numbers	11, 13,23,27,35
1.4	The Distributive Property	19, 25, 27, 37, 45, 51
1.5	Equations	19-31odd, 49,51
1.6	Relations	11,13,19,27
1.7	Functions	21, 23, 25, 27, 31, 33, 37, 39

Chapter 2

Section	Topic	Assigned Problems
2.1	Writing Equations	23, 29, 33,40-43
2.2	Solving One-Step Equations	21, 23, 25, 29, 33, 37, 41
2.3	Solving Multi-Step Equations	13, 15, 21, 27, 35, 37, 47, 49
2.4	Solving Equations with Variables on Both Sides	11, 15, 17, 19, 21, 25, 29
2.5	Solving Equations with Absolute Value	15, 23, 25, 27, 33, 35, 39
2.6	Ratio and Proportion	11, 17, 19, 27, 37, 39, 40 (Answer:800)
2.7	Percent of Change	17, 19, 25, 33, 37, 41
2.8	Literal Equations and Dimensional Analysis	11, 13, 17, 21, 27
2.9	Weighted Averages	6, 9, 11, 13, 15, 19 (#6 answer: 6.38lbs)

Chapter 3

Section	Topic	Problems
3.1	Graphing Linear Equations	13, 15, 16, 19, 25, 27, 29, 37, 53
3.3	Rate of Change and Slope	15, 27, 31, 35, 37, 43
3.4	Direct Variation	25, 27, 31, 33

**TAKE THE CHAPTER 1-3 TEST
Due Monday July 8, 2019**

Homework Assignments – Chapters 4-6

Use a straight edge and graph paper for graphs
Staple or tape the graph paper to the appropriate section.

Chapter 4

Section	Topic	Assigned Problems
4.1	Graphing Equations in Slope-Intercept Form	19, 23, 27, 29, 35, 41, 43, 47, 53, 55
4.2	Writing Equations in Slope-Intercept Form	13, 15, 19, 21, 27, 29
4.3	Writing Equations in Point-Slope Form	13, 23, 29, 31, 39, 45
4.4	Parallel and Perpendicular Lines	13, 15, 19, 21, 25, 31, 33, 35, 39
4.7	Inverse Linear Functions	9, 11, 13, 15, 17, 25

Chapter 5

Section	Topic	Assigned Problems
5.1	Solving Inequalities by Addition/Subtract	13, 17, 23, 25, 29, 37
5.2	Solving Inequalities by Multiply/Divide	15, 19, 23, 25, 29, 35-38
5.3	Multi-Step Inequalities	15, 17, 21, 31, 33, 45
5.4	Solving Compound Inequalities	9, 11, 15, 21, 29
5.5	Solving Absolute Value Inequalities	9, 11, 15, 17, 25, 29, 33, 34, 39
5.6	Graphing Inequalities in Two Variables	13, 19, 23, 27, 41

Chapter 6

Section	Topic	Assigned Problems
6.1	Graphing Systems of Equations	17, 21, 23, 25, 31, 33, 37
6.2	Solving Systems of Equations with Substitution	9, 11, 15, 21
6.3	Solving Systems of Equations with Elimination (Add/Subtract)	7, 13, 17, 25, 27
6.4	Solving Systems of Equations with Elimination by Multiplication	9, 13, 17, 20, 23 (#20 answer: (14,7))
6.5	Applications of Systems	7, 9, 13, 15, 19, 30
6.6	System of Inequalities	11, 13, 17, 21, 31, 35

**TAKE THE CHAPTER 4-6 TEST
Due Friday, August 9, 2019**

**Don't forget to bring your notebook to class on the first day of school.
Enjoy the rest of your summer vacation!**