

## Summer Review Assignments for Algebra 2

Due: First Day of School

Textbook: Algebra 2 ISBN: 978-0-618-59541-9

Dear Parents and Students:

We hope that your family is enjoying a great summer with plenty of relaxation and fun. Your teachers for next year are already making plans for our new school year, and we are all looking forward to meeting you in August. **Please read through this entire letter.**

These summer assignments are designed to be a review of essential math skills. They include only problems covering math concepts and skills that are necessary for success in Algebra 2. **There will be an assessment covering these essential skills during the first week of class. The grade will counted as a Quiz grade in the semester grade.**

We recommend that you take at least 10 days to complete these assignments. The summer review work will prepare students for the assessment while allowing teachers more instructional time and the ability to progress into new material sooner.

### Parent Instructions:

- 1) Please check out an Algebra 2 textbook at LCA with Mrs. Castleberry or Mrs. Walters so that your student will have it in time to complete 2 weeks of assignments.
- 2) Please print the assignment chart and give it to your student—making sure that he or she understands the directions for completing the work that are printed on the next page.
- 3) **Parents, so that you know how well-prepared your student is for Algebra 2, we ask that YOU check the answers and mark incorrect answers with a colored pen, pencil, or marker. The answers are located in the back of the textbook.**
- 4) Write the grade in the UPPER RIGHT corner (number correct divided by number attempted times 100). **Also, please sign your name to indicate that the work was checked by you.** If your student misses 20% or more of the problems, you need to make sure he or she gets help to learn these skills now. There will not be class time available to re-teach these essential skills once school begins in August. You, a more experienced sibling, or a tutor could provide the needed help.
- 5) Give the assignment back to your student and assign the incorrect problems again—the work should be done to the right of the original work. If the student needs help from a tutor, it is acceptable for this part of the assignment to be done with the help of the tutor.

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### Student Instructions:

- 1) Please work the **all** of the assigned problems to be sure you understand the concepts.
- 2) Do your work NEATLY and IN PENCIL on notebook paper, working ONLY down the left side of each page.
- 3) Print your name on the top line of the notebook paper next to the right margin. Staple together all sheets of a lesson in the upper left corner.
- 4) Copy the problem.
- 5) Show all the steps of work needed to get your answer.
- 6) BOX your answer.
- 7) **When you complete a lesson, give it back to your parent who will check your answers.**
- 8) Your parent will return the lesson to you so that you can re-work any problems that you miss. You will do this work to the right of the original work. If you need help from a tutor, it is acceptable for this part of the assignment to be done with the help of the tutor.
- 9) **Thanks for your hard work on these summer assignments. THIS WORK IS DUE ON THE FIRST DAY OF SCHOOL. This homework grade will be counted in the semester grade.**

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Please complete all work neatly and clearly on notebook paper stapled in chronological order.

- \* Please complete the following problems *without* a calculator, unless denoted with \*\*.
- \* EOO means "every other odd".
- \* You may choose to complete more in a section for further practice before the Essential Skills Assessment.
- \* Please be sure to study all concepts to prepare for the assessment planned during the first week of class.

Topic	Section	Page(s)	Numbers
Skills Review Handbook - Operations with Signed Numbers		pg 975	#1-33 EOO
Skills Review Handbook - Fractions, Decimals, Percents		976	#1-29 EOO
Skills Review Handbook - Calculating with Percents		977	#1-29 EOO
Skills Review Handbook - Operations with Fractions		979	#47-67 EOO
Skills Review Handbook - Ratios and Proportions		980	#13-25 EOO
Skills Review Handbook - Scientific Notation		982	#1-37 EOO
Skills Review Handbook - Writing Algebraic Expression		984	#1-19 EOO
Skills Review Handbook - Binomial Products		985	#3-27 EOO
Skills Review Handbook - LCDs of Rational Expressions		986	#1-25 EOO
Skills Review Handbook - The Coordinate Plane		987	#3-41 EOO
**Skills Review Handbook - Mean, Median, Mode, and Range		**1005	** #3, 5, 9
Skills Review Handbook - Graphing Statistical Data		1007	#1-13 odd
Apply Properties of Real Numbers	1.1	pgs 6-9	#25-45 odd
Evaluate and Simplify Algebraic Expressions	1.2	13-15	#5-15 odd, 37-49 EOO
Solve Linear Equations	1.3	21-23	#33-49 odd
Rewrite Formulas and Equations	1.4	30-32	#21-25 odd
Use Problem Solving Strategies and Models	1.5	37-39	#17, 25, 29, 31
Solve Linear Inequalities	1.6	44-47	#29-45 EOO
Represent Relations and Functions	2.1	77	#25-33 odd
Find Slope and Rate of Change	2.2	86-87	#29, 31, 33
Graph Equations of Lines	2.3	93-95	#9-29 EOO, 31-41 odd
Write Equations of Lines	2.4	101-103	#21-37 odd
Model Direct Variation	2.5	109-111	#25-29 odd

Total:

Total
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