

**Summer Review Assignments for Pre-Calculus**  
**Due: First Day of School**

**Textbook: Precalculus with Limits ISBN: 978-0-618-85152-2**

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 Pre-Calculus. **There will be an assessment covering these essential skills during the first week of class. The grade will be counted as a Quiz grade in the semester grade.**

We recommend that you take at least 10 days to complete these assignments. Since our school calendar includes only 100 days of school in class, plus 66 days at home on Tuesdays and Thursdays, we suggest that you keep track of the dates and time you and your student work on the assignments. Then you will have documentation for most of the 180 school days required by the state of Georgia.

**Parent Instructions:**

- 1) Please print the Excel spreadsheet which includes assigned problems and directions 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.
- 2) **Parents, so that you know how well-prepared your student is for Pre-Calculus, we ask that YOU check the answers and mark incorrect answers with a colored pen, pencil, or marker. The answers for the assigned odd problems are located in the back of the textbook.**
- 3) 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 friend, the Internet, or a tutor could provide the needed help.
- 4) 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.

## Summer Review Assignments for Pre-Calculus

### Student Instructions:

- 1) Please work **all** of the assigned problems to be sure you understand the concepts.
- 2) Do your work **NEATLY** and **IN PENCIL** on notebook paper or graph 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 in chronological order.
- 4) Copy the problem.
- 5) Show all the steps of work needed to get your answer.
- 6) **BOX** your answer.
- 7) **When you complete an assignment, give it 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.**

## Pre-Calculus Summer Review Assignments

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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 \*\* or when instructions state using a graphing utility.

\*When asked to sketch graphs, please use graph paper unless directions state to use graphing utility (in which case you may sketch on notebook paper)

\* If you need extra explanations other than the book, try typing topic or directions into Google or utube.

\* 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	Total
Read Appendix A: Technology Support				
The Cartesian Plane	Appendix B.1	A33	47-55 EOO	3
Equations of Circles	Appendix B.1	A34	59-79 odd	11
Graphs of Equations	Appendix B.2	A43	#1-29 odd	15
**Graphs of Equations	Appendix B.2	A44	33-47 EOO	4
**Graphs of Equations	Appendix B.2	A44	57-65 EOO	3
Equations of Circles	Appendix B.2	A44	67, 69	2
Solving Equations Algebraically and Graphically	Appendix B.3	A59	17-51 odd, 57-193 odd	87
Solving Inequalities Algebraically and Graphically	Appendix B.4	A72	1-83 odd	42
Measures of Central Tendency	Appendix C.1	A91	3, 9, 11, 17, 19-29 odd	10
Measures of Central Tendency	Appendix C.1	A93	37-45 odd	5
Variation	Appendix D	A100	1-47 EOO	12
Solving Linear Equations and Inequalities	Appendix E	A105	1-43 EOO	11
Solving Systems of Inequalities	Appendix F.1	A113	1-71 EOO	18
Linear Programming	Appendix F.2	A122	1-37 odd	19

TOTAL:	242
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