

Dear Future Calculus Student,

I am excited to have you in my class next year! In order to prepare for a rewarding experience, I am asking you to complete the following review assignment during late August, right before school begins. You should be able to do the work without a lot of help; however, you may find your class notes, textbook examples and the final review you did to prepare for your Final Exam in Analysis or Honors Analysis can spark your memory. Online resources, such as Khan Academy, may help if you need tutorials on topics.

This review should take about 5 hours, if you don't need to do a lot of research to help you remember how to do the problems. I am hoping that your time spent on reviewing logarithms, exponentials and trigonometry this summer will enable you to more deeply understand the concepts you will learn in AP Calculus next year, and give us more time to spend on the new material we need to cover. PLEASE RESIST THE TEMPTATION TO COPY YOUR WORK DIRECTLY FROM CALCCHAT OR SLADER. If you don't understand the material, please ask a friend or tutor for help.

If you take it seriously, your summer review should help you be ready for a test on these topics right away when school begins next fall. Students who are not proficient with these review topics will be asked to drop AP Calculus. If your college major requires calculus, you should opt to re-take Analysis or Honors Analysis to hone your pre-calculus skills.

If you would like to get in touch with me over the summer, please send me an email at [jjurichko@stanthony.k12.mn.us](mailto:jjurichko@stanthony.k12.mn.us). I will be checking that email account regularly and will respond as soon as possible.

Thank you and good luck with your review!

Mrs. Jurichko

**SHOW ALL WORK. DO NOT USE A CALCULATOR UNLESS THE PROBLEM SPECIFICALLY REQUIRES ONE.**

**This pre-calculus review will be worth 15 points. All work must be shown.**

**The pre-calculus test on these topics will be worth 30 points.**

Chpt. 3, p.239: #29, 37, 39, 57, 65-75odds, 79-109odds, 121, 123

Chpt. 4, p.333: #27, 31, 35, 39, 41, 43, 45, 59, 67, 71, 77, 79, 93, 103, 109, 124, 135, 139, 145-148, 161, 165

Chpt. 5, p.387: #1-6, 11, 15, 19, 25-27, 37, 41, 45, 49-51, 63, 65, 71, 72, 85, 93, 105