Greetings Advanced Algebra 2 Students,

Congratulations on all your hard work in mathematics and your decision to enroll in Advanced Algebra 2. You are on an educational path that can take you far in life. As you continue to work hard and prepare for your future, Advanced Algebra 2 will help you prepare for precalculus, calculus, and beyond. Advanced courses in mathematics open many doors such as engineering, medical fields, computer science, the business world, and much more.

I look forward to helping you through your next level of mathematical learning. I have taught Advanced Algebra 2 for many years and have had the privilege of seeing hundreds of students succeed. Advanced Algebra 2 is a rigorous and rewarding course. It will require hard work on your part, but it will be worth it. Most things in life that are worthwhile and satisfying usually require consistent effort.

I hope you enjoy your summer break as you look forward to your opportunities to learn next school year. It is important to be fully prepared for the upcoming year. To help you keep your math skills sharp over the summer, I have carefully prepared an Advanced Algebra 2 summer assignment. The purpose of this assignment is to help you keep some of your most important Algebra 1 and Geometry skills current.

Let me recommend the best approach to this assignment. I strongly advise that you spend 20-30 minutes a day, three to four days a week throughout the summer "chipping" away at the exercises. I strongly discourage you from a marathon blitz through the assignment either at the beginning or end of the summer. Doing so is like gorging yourself at a large feast and then going without food for weeks. Working on the assignment in small chunks will still leave you plenty of recreation time individually and with your family throughout the summer.

Additionally, if you find that you are a bit rusty on any topic, I have prepared a series of YouTube videos corresponding to each of the topics. You will find the video url's on the next page. If you need additional support, I recommend that you search for other YouTube videos on that topic. There are hundreds of great math videos that are about 10-ish minutes in length. I strongly discourage you from using websites such as Photomath or AI websites. These websites rarely help students learn and usually have the opposite effect.

Also, be organized in your work. Show all appropriate steps, box in your answers where appropriate, skip a line or two between exercises, write legibly and neatly, and avoid cramming too much work in small spaces.

The summer assignment will be due on the first Friday upon our return to school in early August. If you have any questions, please send me an e-mail at swhetstone@tusd.net. Please put "Advanced Algebra 2 Question" in the subject line so I know it is from a student. I only check my school e-mail occasionally during the summer, so please be patient.

Have a great summer!! See you in early August.

Mr. Whetstone
WHS Mathematics Department

Advanced Algebra 2 Summer Assignment YouTube Helpful Videos

Copy the url below into your internet search engine to view a short video with examples similar to the respective problems on your summer assignment.

Examples (Prob 1-4): https://youtu.be/Yqh8uRhj43k

Examples (Prob 5-8): https://youtu.be/KBPUgFQU3O8

Examples (Prob 9-12): https://youtu.be/orJJ1B5JHi8?si=vSJzVzH4vGzFso-b

Examples (Prob 13-14): https://youtu.be/DchSPrfgi3I

Examples (Prob 15-16): https://youtu.be/b8ZoL-HeBg8

Examples (Prob 17-18): https://youtu.be/w321woHV-tg

Examples (Prob 19-21): https://youtu.be/ua0PRTu6ZVw

Examples (Prob 22-24): https://youtu.be/RK_BhlYZShk

Examples (Prob 25-26): https://youtu.be/Fo33nAtYM7I

Examples (Prob 27-28): https://youtu.be/niCLTlfmTp8

Examples (Prob 29-30): https://youtu.be/pHUaY8YWaV8

Examples (Prob 31-32): https://youtu.be/YOQLg76lkDU

Examples (Prob 33-36): https://youtu.be/oWWuPcaaD0Q

Examples (Prob 37-40): https://youtu.be/J8FtjQoX4zw

Examples (Prob 41-44): https://youtu.be/_VFDE-T0zk4

Examples (Prob 45-48): https://youtu.be/RXreiZC8upk

Examples (Prob 49-52): https://youtu.be/tCGXzMCd0C8

Examples (Prob 53-58): https://youtu.be/3mAjkJhYccs

Examples (Prob 59-66): https://youtu.be/mbJ09Be9_qk

Examples (Prob 67-69): https://youtu.be/nn8O6wfIl1c

Examples (Prob 70-74): https://youtu.be/aD4lG8nRQIU

Examples (Prob 75-76): https://youtu.be/wdhaC7EvFoE

Example (Prob 77-78): https://youtu.be/tfjn6FJ7oog

Examples (Prob 79-80): https://youtu.be/IE8GKQc_uYU

Examples (Prob 81-82): https://youtu.be/-FX5vKL6XIw

Examples (Prob 83-86): https://youtu.be/VhIunjJrl90

Examples (Prob 87-90): https://youtu.be/mCwKJChxr6E

Examples (Prob 91-94): https://youtu.be/mWzHRvcchcI

Examples (Prob 95-96): https://youtu.be/9NCCo0BoceA

Examples (Prob 97-98): https://youtu.be/dbtzuRxIUBs

Examples (Prob 99-100): https://youtu.be/mPIfakv-8Tg