

Winter Break Assignment Honors Pre-Calc

Below is a list of the work that should be completed over your break. Some of this may be review for some of you depending on what you learned in Algebra I. For the videos on Khan Academy, please watch all parts!

For the HW, all of the assignments and HW pages are on the portal. I attached a couple of textbook pages where you can find additional examples along with the HW page.

As you complete the HW assignments, please email them to me so I can correct them and enter your grade into the gradebook. Soon upon returning to classes in January, you will have an assessment on these topics. Feel free to email me with any questions. Do not wait until the last week of break to start the assignments. I cannot guarantee I will be able to answer any questions within that time or to grade the HW before you are tested on the material. All assignments are due by Jan. 11th. No exceptions.

Topic 1: Graphing Rational Functions-Oblique/Slant Asymptotes

Watch Video - [Slant/Oblique Asymptotes](#)

HW: On Portal p.176; #49,50,55,57

Topic 2: Arithmetic Sequences

Watch Video – ALL parts [Arithmetic Sequences Video](#)

HW: On Portal p. 626; #5-8,13-15,18,21-23,31,33,37,38

Topic 3: Geometric Sequences

Watch Video – ALL parts [Geometric Sequences Video](#)

HW: On Portal p. 635; #5,8-10,13-16,23-26,33-35

Topic 4: Circles

Watch Video - [Circles](#)

HW: On Portal- Complete all problems on the worksheet.

Topic 5: Special Right Triangles and the Unit Circle

Watch Video - [Special Right Triangles and Unit Circle](#)

HW: Memorize the values in the chart!!!