

Summer Assignment
AP Calculus AB & BC

1) Consider the following two questions:

What is Calculus?

What are limits?

Jot down your general thoughts about limits.

2) View the following websites:

Common Algebra mistakes! BIG RED FLAGS!!

<http://www.youtube.com/watch?v=dhVTbUrrMNo&feature=relmfu>

What is Calculus?

http://www.youtube.com/watch?v=ismnD_QHKkQ

<http://www.youtube.com/watch?v=yfXiisTraF0&feature=related>

<http://www.youtube.com/watch?v=axZTv5YJssA&feature=related>

What are limits?

<http://www.calculus-help.com/phobedemo/>

<http://www.calculus-help.com/when-does-a-limit-exist/>

<http://www.calculus-help.com/how-do-you-evaluate-limits/>

<http://www.calculus-help.com/limits-and-infinity/>

<http://www.mathsisfun.com/calculus/>

<http://www.brightstorm.com/math/calculus/limits-and-continuity/limits-a-numerical-approach>

<http://www.brightstorm.com/math/calculus/limits-and-continuity/limits-a-graphical-approach>

<http://www.brightstorm.com/math/calculus/limits-and-continuity/infinite-limits-vertical-asymptotes>

Feel free to view other websites which interest you and involve calculus and limits.

3) Read the pages dealing with limits in Chapter 2 of your Barron's AP Calculus Review book.

4) On one side of a standard $8\frac{1}{2} \times 11$ sheet of paper, create your interpretation of the meaning of a limit. This interpretation can be a drawing, poem, story, song, illustration collage, photograph, cartoon, or any artistic expression of your choice. On the back of the paper, explain a) your thought process and b) what your creation means to you. Why does your creation represent limits to you?