**AP Calculus BC**

In order to master a full year of college Calculus during the 2015-2016 school year we need to “hit the ground running” when we return to school in August. In order to accomplish that goal I have put together an assignment list that you will be expected to complete over the summer and turn in at our first class meeting in August. This is from the first unit of our Calculus text and is a review of the functions you studied in Precalculus along with the new topic of continuity and limits. The required problems are listed below and should be written as completely as possible. **All work should be shown; any explanations requested should be done thoroughly. The emphasis is equally placed on solving problems and communicating the solution method. A list of answers will not be considered a completed assignment.**

Keep in mind that the purpose for the assignment is that you learn and understand the material, not just have a completed paper with work on it. The grade for this assignment will be insignificant compared to the value of having a complete and working understanding of the material.

There will be one Calculus Review Session in August so you can get assistance on the homework. This will be from 6:00-7:00 pm on Thursday, July 30th. At this session you will be able to check answers for work you have done, get started on work you have not done, and get help from other students and from myself. You can earn 3 bonus points by coming to the review. The help session will be in Mr. Cooper’s room 215 (enter the A doors at 6:00 pm)

The Ch 1 sections of the book can be found on the BC Calculus itslearning page (<https://bartholomew.itslearning.com/index.aspx>). If you have trouble getting there, email me [cooperc@bcsc.k12.in.us](mailto:cooperc@bcsc.k12.in.us). I hope you enjoy this early start to BC Calculus and have a great summer!

Mr. Cooper

BC Calculus Teacher

Columbus East HS

Lesson 1.1: Do problems 1, 11, 13, 18, 23, 26, 30, 36, 41, 44

Lesson 1.2: Do problems 5, 8, 10, 13, 16, 18, 23, 29, 33

Lesson 1.3: Do problems 2, 9, 13, 18, 20, 31, 36, 41, 42, 45, 50, 57

Lesson 1.4: Do problems 1, 3, 5, 7, 13, 15, 19, 23, 25, 29, 44, 46, 50, 53.

Lesson 1.5: Do problems 6, 8, 13, 22, 26, 41, 45.

Lesson 1.6: Do problems 2, 5, 8, 12, 13, 14, 19, 20, 26.

Lesson 1.7: Do problems 2, 6, 8, 20, 23, 28.

Lesson 1.8: Do problems 2, 3, 4, 12, 17, 29(skip d), 39, 43, 48.