

# Summer Assignment 2021 – IB Math Analysis and Approaches HL Part 2

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## Purpose of Assignment:

This assignment is a specimen IB Math SL exam published by the IBO. HL math builds on the topics learned in SL math, so it is important that you understand the concepts learned at the SL level before we do them at the HL level in class. Particular care should be taken in reviewing topics that were not touched on at all in Calculus especially probability and statistics. If you did not take IB math SL, or if you did not do the work assigned during 4<sup>th</sup> quarter during the 19-20 school year in IB Math SL, then you will likely need to do extra work to get caught up on probability and statistics.

**Estimated time to complete Assignment:** This assignment should take 4 – 5 hours.

## Due date and method of assessment for Assignment:

The summer assignment is due the last day class meets during the first week of September. It will be turned in and counted as a homework assignment. There will not be a quiz or test directly on the summer assignment at the beginning of the year, rather these concepts will be tested as they come up throughout the year as part of the HL curriculum. You can print the assignment and do your work on the IB exam, or do you work on separate paper.

**Note:** You must have your own graphing calculator for this class. A TI-84 (any type) is highly recommended, but TI-83 or non-CAS version of the TI-Nspire calculators are allowed. CAS versions of the TI-Nspire and the TI-89 are not allowed on the IB exam and therefore are not allowed in this class.

## Instructions for Assignment:

You can access a folder that contains the IB exam papers from the link below. The IB markscheme is also provided in the document so you can check your answers and see the method they used to solve the problem. You will need to be logged into your APS Google account to access it. If you do not have an APS account, then email me to obtain a copy.

<https://drive.google.com/drive/folders/17BIarsUBKi8mSdaRumkiVHiZSg140UiS?usp=sharing>

You may use any resources you like to help you with these problems. The purpose of the assignment is to make sure you understand the material, so take the time to make sure you understand how and why to get the correct answers. You can likely find videos online (Khan academy is a good, reputable source) to help you with any concepts you don't understand.

You are also welcome to work together with classmates on this assignment. And you can email me questions that you have, but it may take me some time to reply as I will not be checking school email on a daily basis throughout the summer.