

## 2019 IB Math HL 2 Summer Assignment (IA Draft)

It is expected that by the start of school you have made significant progress in completing your internal assessment (Math Exploration) for IB Math HL2. ALL IB Math HL 2 students need to submit an IA next year – even the juniors. Your draft should be about 6 to 10 pages and include a bibliography and appropriately notated citations throughout. Your draft should be word processed, including the math using appropriate notation.

Be sure to include:

- 1) A title for your paper, which describes the topic. Don't use "Math Exploration" in your title. A question you are attempting to answer in your work is a great title idea.
- 2) Make sure your purpose and plan of approach are clearly established.
- 3) Labels for graphs and tables, with axes labelled as appropriate.
- 4) Appropriate notation for your math. For example, write  $x^2$ , and not  $x^2$ .
- 5) Definitions for all variables. It doesn't hurt to explain them again as needed later in the paper, particularly if you have a lot of variables.
- 6) Double spacing, to improve readability.
- 7) Headings for each section are not necessary. For example, don't title a section as "Personal Reflection", or "Conclusion." Just write your paper so that it flows well.

We encourage you to use a two-column format, with one column for your math, and the other column used to explain each step of your math. Your graphs should also be generated using graphing software. A google search will help you find additional free resources. If you have questions/concerns regarding your IA, you can email one of the HL team members:

Mrs. Dirga [kedirga@fcps.edu](mailto:kedirga@fcps.edu)

Mr. Evans [jeevans@fcps.edu](mailto:jeevans@fcps.edu)

We will be having peer reviews of your IA during the first two weeks of school this Fall. Your final IA will be due during the week of 23 September 2019, and it will count as a 2Q test grade. Don't procrastinate on this assignment; the sooner you get it done, the better you will feel!

Please keep an eye out for information regarding dates in August to come in to the library at Robinson to work on your research and get help from one of our IB Math teachers.

Have a great (and productive) summer!