

IB Math SL Exploration Checklist

Criterion A: Communication

- Does your exploration begin with an introduction?
- Did you include a rationale (an explanation of why your topic was chosen)?
- Did you describe the exploration's aim (the result that you wanted it to establish)?
- Are the parts of your exploration logically organized?
- Did you use visual aids such as tables, graphs, and diagrams?
- Did you make certain that your exploration does not bog down with too many details, needless repetition, or overly-large and tedious tables?
- Does your exploration end with a meaningful conclusion (not a restatement of the introduction)?

Criterion B: Mathematical Presentation

- Did you use mathematical vocabulary entirely correctly?
- Did you include entirely standard and correct mathematical notation?
- Did you make use of technological presentation such as graphing software or spreadsheets?

Criterion C: Personal Engagement

- Did you demonstrate interest in what you presented?
- Did you demonstrate personal connections to topics that you analyzed?
- Did you use mathematics in original analyses of your topics (not just report researched results of others)?
- Is there evidence in your exploration of inventive approaches to the topics?

Criterion D: Reflection

- Did you present broader possible significance and extensions of your results?
- Did you critically assess the value of your results, including limitations?
- Did you include questions raised by your exploration that you would find interesting to investigate further?

Criterion E: Use of Mathematics

- Did you use mathematics at least at the level of the IB Math SL syllabus?
- Did you carefully proofread for any incorrectness in the mathematics that you used?
- Did you clearly demonstrate your understanding of the mathematics that you used?