IB MATH SL 1
FINAL EXAM TOPICS

ALGEBRA

Sequences and Series
Binomial Theorem
Logarithms and Exponentials
Pascal's Triangle

TRIGONOMETRY

Arc Length
Area of triangles and sectors
Law of Sines and Cosines
Unit circle
Trig graphs
Trigonometric Identities

DESCRIPTIVE STATISTICS

Box and whisker plots
Quartiles, mean, median, mode
Range and Interquartile Range
Using Mid-Interval values for mean
Cumulative Frequency graphs

FUNCTIONS

Finding inverses
Function Composition
Transformations
Quadratics

VECTORS

Column form and component form
Scalar product and dot product
Angle between vectors
Vector equation of a line

PROBABILITY

Venn diagram & Tree diagrams
Probability formulas
Expected value

STATISTICAL DISTRIBUTIONS

Binomial distributions
Normal distributions
Z-Distributions