IB Math SL 11: TERM 3 TOPIC LIST

Quest 8 (Sequences & Series)

- Lesson 1: Arithmetic Sequences
- Lesson 2: Arithmetic Series
- Lesson 3: Geometric Sequences
- Lesson 4: Geometric Series
- Lesson 5: Sigma Notation
- Lesson 6: Recursive Sequences

Quest 9 (Trigonometric Equations)

- Lesson 1: Radians, Co-terminal Angles, Standard Position
- Lesson 2: Unit Circle, Special Triangles & Reference Angles
- Lesson 3: Trig. Ratios of any angle
- Lesson 4: Trig. Equations (1st Degree)
- Lesson 5: Trig. Equations (2nd Degree)

Quest 10 (Trigonometric Functions)

- Lesson 1: Base Trigonometric Functions
- Lesson 2: Transformations of Sinusoidal Functions
- Lesson 3: Applications of Sinusoidal Functions

Quest 11 (Trigonometric Identities)

- Lesson 1: Pythagorean, Reciprocal & Quotient Identities
- Lesson 2: Sum, Difference & Double-Angle Identities
- Lesson 3: Proving Identities
- Lesson 4: Solving Equations using Identities

Quest 12 (Triangle Trigonometry)

- Lesson 1: Right Triangle Trig. & Applications
- Lesson 2: The Sine Law and the Ambiguous Case
- Lesson 3: The Cosine Law

Extra Review:

Unit 8: see website

Unit 9 & 10: Pg. 202: # 1 – 13

Unit 11: see website

Unit 12: Pg. 247: # 1 – 11