PR_Trigonometry Grade 11

1. Angles and Their Measurement

    1.1 Types of Angles and Measuring Angles

    1.2 Types of Angles and Angle Pairs

    1.3 Angle and its Measurement

    1.4 Arc Length of a Sector and circular coordinates

2. Triangles

    2.1 Terms Related to a Triangle

    2.2 Classification of Triangles

    2.3 Properties of Triangles

    2.4 Inequalities in a Triangle

    2.5 Pythagoras Theorem

    2.6 Right Triangles and Congruence

    2.7 Right Angled Triangle and Similarity

    2.8 Special Right Triangles

3. Trigonometry

    3.1 Circular Functions of Angles

    3.2 The Reference Angle

    3.3 The Trigonometric Functions

    3.4 Applications of Trigonometric Functions

4. Graphs of Trigonometric Functions

    4.1 The graph of the Cosine function

    4.2 The graph of the Tangent Function

    4.3 The graph of $y = a \csc (bx - c)$

5. Trigonometric Identities

    5.1 Simplifying Expressions in Trigonometric Functions

    5.2 The Strategy for Proving an Identity in Trigonometric Functions

    5.3 Identities for Tangent of Sum or Difference of Angles

    5.4 Double Angle Identities

    5.5 Half Angle Identities

6. Trigonometric Equations

    6.1 To solve Trigonometric Equation in Basic Form

    6.2 To solve an Equation in Trigonometric Functions