# Apply Trigonometric Methods in Solving Problems

| Achieved | Merit | Excellence |
|---|---|---|
| Apply trigonometric methods in solving problems. | Apply trigonometric methods, using relational thinking, in solving problems. | Apply trigonometric methods, using extended abstract thinking, in solving problems. |

Relational Thinking - Involves selecting and carrying out a logical sequence of steps, connecting different concepts or representations, demonstrating understanding of concepts, and relating findings to a context.

Extended Abstract Thinking - Involves devising a strategy, identifying relevant concepts, developing logical reasoning, forming generalizations, and communicating mathematical insight.

## Trigonometric Methods

The methods included in this standard are related to:

- ☐ Forming trigonometric functions
- ☐ Reciprocal trigonometric functions
- ☐ Properties of trigonometric functions
- ☐ Solving trigonometric equations
- ☐ General solutions

## Problems

Situations set in real-life or statistical contexts that provide opportunities to apply knowledge or understanding of trigonometric concepts and methods.

## Key Vocabulary

Students are expected to understand and use terms related to trigonometric methods, such as:

- ☐ Trigonometric Functions
- ☐ Trigonometric Equations
- ☐ Angle
- ☐ Radian
- ☐ Reciprocal Trigonometric Functions
- ☐ Trigonometric Identities
- ☐ General Solution
- ☐ Periodicity
- ☐ Amplitude
- ☐ Phase Shift