Apply Co-ordinate Geometry Methods in Solving Problems

Achieved	Merit	Excellence
Apply co-ordinate geometry methods in solving problems.	Apply co-ordinate geometry methods, using relational thinking, in solving problems.	Apply co-ordinate geometry 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.		

Co-ordinate Geometry Methods

The methods included in this standard are related to:

- ☐ Distance between points
- ☐ Midpoints
- ☐ Gradient of a line
- ☐ Equation of a line
- ☐ Parallel, perpendicular and intersecting lines

Problems

The problems will be set in real-life or mathematical contexts and provide opportunities to apply the co-ordinate geometry knowledge and methods.

Key Vocabulary

Students are expected to understand and use terms related to co-ordinate geometry, such as:

- ☐ Point
- ☐ Line
- ☐ Distance
- ☐ Midpoint
- ☐ Gradient
- ☐ Parallel
- ☐ Perpendicular
- ☐ Intersect