



Apply graphical methods in solving problems

Achieved	Merit	Excellence
Apply graphical methods in solving problems.	Apply graphical methods, using relational thinking, in solving problems.	Apply graphical methods, using extended abstract thinking, in solving problems.
Relational Thinking - Involves selecting ar representations, demonstrating understa		· · · · · · · · · · · · · · · · · · ·
Extended Abstract Thinking - Involves development forming generalizations, and communicate		nt concepts, developing logical reasoning,
Graphical Methods		
The methods included in this stand	ard are related to:	
☐ Linear functions and their g	graphs	
Quadratic functions and the	eir graphs	
☐ Simple trigonometric funct	ions and their graphs	
☐ Transformations of the abo	ve graphs (e.g. translations, reflect	ions, stretches)
☐ Connecting the structure or	f the functions to their graphs	
☐ Properties of functions (ma	y include domain and range)	
Problems		
The problems will be set in real-life knowledge and methods.	or mathematical contexts and prov	vide opportunities to apply the graphical
Key Vocabulary		
Students are expected to understar	nd and use terms related to graphic	cal methods, such as:
☐ Linear function	Range	☐ Translation & Reflection
Quadratic function	☐ Intercept	☐ Equation
☐ Trig Function	☐ Maximum/minimum	Sketch
Domain	☐ Asymptote	☐ Interpret