



Prerequisite: 70% or greater in Grade 9 Academic Math

Text Book: None Available

Unit 1: Functions/ Other

- Radicals
- Simplifying Polynomials
- Solving Equations
- Re-arranging Equations
- Functions
- Domain and Range Introduction

Unit 2: Co-ordinate Geometry

- $y = mx + b$ and Graphing
- Parallel and Perpendicular Lines
- Finding Equations Algebraically and Graphically
- Lengths of segments
- Midpoints
- Properties of Quadrilaterals, Triangles, & Circles

Unit 3: Linear System

- Solving Systems of Equations by Graphing
- Solving Systems of Equations by Elimination
- Solving Systems of Equations by Substitution

Unit 4: Quadratic Expressions

- Expanding and Simplifying 2nd Degree Polynomials
- Factoring
- Introduction to Rational Expressions

Unit 5: Quadratic Functions

- Graphing using Transformations
- Getting Equations from Graphs
- Completing the Square
- Maximum/Minimum

Unit 5: Quadratic Equations

- Solve by Graphing
- Solve by Factoring
- Solve by the Quadratic Formula

Unit 6: Trigonometry

- Congruence and Similarity
 - Pythagorean Theorem
 - Sine/Cos/Tan
 - Law of Sines
 - Law of Cosines
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Evaluation:

Assessment Method	Achievement Categories				Total
	Knowledge/ Understanding	Thinking/Inquiry/ Problem Solving	Communication	Application	
Unit Tests	25.0%	10.0%	10.0%	10.0%	55.0%
Assignments	5.0%	5.0%		5.0%	15.0%
Exam	15.0%	5.0%	5.0%	5.0%	30.0%
Total	45.0%	20.0%	15.0%	20.0%	100.0%

Test Policy: Refer to the Banting Memorial High School Mathematics Department Test Policy
