

Contents

Acknowledgements	iii
Introduction	1
Background	1
Beliefs About Students and Mathematics	1
Affective Domain	2
Goals For Students	2
Conceptual Framework for 10-12 Mathematics	3
Mathematical Processes	3
Nature of Mathematics	7
Essential Graduation Learnings	10
Outcomes and Achievement Indicators	11
Program Organization	12
Summary	12
Assessment and Evaluation	13
Purposes of Assessment	13
Assessment Strategies	15
Instructional Focus	17
Planning for Instruction	17
Teaching Sequence	17
Instruction Time Per Unit	17
Resources	17
General and Specific Outcomes	18
Outcomes with Achievement Indicators	
Unit: Measurement	19
Unit: Trigonometry	51
Unit: Roots and Powers	75
Unit: Factors and Products	107
Unit: Relations and Functions	135
Unit: Linear Functions	157
Unit: Systems of Linear Equations	183
References	195

