

Pre-FMP10 – Brain Stretching

Integers & Rationals
Linear Equation Solving

Unit 1 – Right Angle Trigonometry

1.0 Review – Pythagoras
1.1 Tangent Ratio
1.2 Sine & Cosine Ratio
1.3 Problems & Solving Right Triangles

TEST UNIT 1

Unit 2 – Exponents & Radicals

2.0 Review – Exponent Laws
2.1 Factor Trees, GCF & LCM
2.2 Square Roots & Cube Roots
2.3 Integral Exponents

TEST UNIT 2

Unit 3 – Polynomials & Factoring

3.1 Like Terms & Distribution
3.2 Polynomial Multiplication
3.3 Binomial Squares & Conjugates
3.4 Polynomial Division
3.5 GCF
3.6 Decomposition
3.7 Special Patterns
3.8 Factoring Combinations

TEST UNIT 3

Unit 4 – Linear Relations & Functions

4.0 Inequalities
4.1 Graphs of Relations
4.2 Linear Relations
4.3 Expressing Sets of Numbers
4.4 Domain & Range
4.5 Functions

TEST UNIT 4

Unit 5 – Linear Equations & Graphs

5.0 Slope
5.1A Rearranging Equations & Graphing w/
Slope
5.1B Slope-Intercept Form
5.1C Equation Writing in Slope-Intercept Form
5.2 General Form
5.3 Point-Slope Form
5.4 Parallel & Perpendicular Lines

TEST UNIT 5

Unit 6 – Solving Systems of Linear Equations

6.1 Solving by Graphing & Number of Solutions
6.2 Solving by Substitution
6.3 Solving by Elimination

TEST UNIT 6

Unit 7 – Personal Finance

7.0 Review - Percents
7.1 Earning Income
7.2 Net Income
7.3 Compound Interest
7.4 Consumer Credit
7.5 Housing Costs

TEST UNIT 7

STKR Course Outline

Grade 8

Foundations of Mathematics & Pre-Calculus 10

Mathematics 8

Grade 9

Mathematics 9 Bridging

Mathematics 9

Grade 10

Workplace Mathematics 10

Foundations of Mathematics
& Pre-Calculus 10

Grade 11

Foundations of
Mathematics 11

Pre-Calculus 11

Grade 12

Apprenticeship
Mathematics 12

Foundations of
Mathematics 12

Pre-Calculus 12

Calculus 12

