

SCHOOL WORK:
Grade 10 Mathematics

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PAPER 1

ALGEBRA

S1001	The Number System		
S1002	Product Revision		
S1003	Products		
S1004	Factorisation 1		
S1005	Factorisation 2		
S1006	Factorisation 3		
S1007	Algebraic Fractions 1		
S1008	Algebraic Fractions 2		
S1009	Exponents 1		
S1010	Exponents 2		
S1011	Exponents 2		
S1012	Exponential Equations		
S1013	Equations: Linear		
S1014	Equations: Literal		
S1015	Equations: Quadratic		
S1016	Equations: Simultaneous		
S1017	Equations: Problem Solving		
S1018	Inequalities		

NUMBER PATTERNS

S1601	Number patterns and sequences		
S1602	Arithmetic sequences		
S1603	Various number patterns		

FINANCE

S1701	Simple and Compound Interest		
S1702	Interest rates		
S1703	Hire purchase		
S1704	Inflation		
S1705	Population Growth		
S1706	Exchange rates		
S1707	Timelines		

FUNCTIONS

S1201	Introduction and properties		
S1202	Sketching of Straight lines		
S1203	Equation of Straight lines		
S1204	Function types and properties		
S1205	Average gradient		
S1206a	The effects of a and q		
S1206b	Domain and Range		
S1207	Sketching graphs		
S1208	Determine equation of graph		
S1209	Graphical Interpretation		

PROBABILITY

S1901	Events, outcomes and probabilities		
S1902	Tree Diagrams		
S1903	Venn Diagrams		
S1904	Calculating Probability		
S1905	Mutually exclusive and complimentary		



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PAPER 2

TRIGONOMETRY

S1301	Ratios: Theoretical		
S1302	Using a calculator		
S1303	Ratios: Finding sides		
S1304	Ratios: Finding angles		
S1305	Cartesian plane: Ratios & Pythagoras		
S1306	Cartesian plane: Quadrants		
S1307	Equations		
S1308	Special angles		
S1309	Reciprocals		
S1310	2D problems		
S1311	2D Trig: Elevation and depression		
S1312	2D Trig: Bearings		
S1313	Trig graphs: Properties		
S1314	Trig graphs: Equation and sketching		
S1315	Trig graphs: Interpretation		

EUCLIDIAN GEOMETRY

R8101	Lines, Angles and Triangles		
R8102	Theorem of Pythagoras		
R9101	Quadrilaterals		
R1101	Quadrilaterals (Proving)		
R9102	Similarity and Congruency		
R9103	Angles of polygons		
R1102	Midpoint Theorem		
R1103	Summative Exercises		
(R8### and R9### revises previous years)			

ANALYTICAL GEOMETRY

S1501	Distance		
S1502	Application of Distance		
S1503	Midpoint		
S1504	Gradient		
S1505	Quadrilaterals		

MEASUREMENTS

S1111	Volume: Prisms & Pyramids		
S1112	Volume: Cylinders, Cones & Spheres		
S1113	T.S.A.: Prisms & Pyramids		
S1114	T.S.A.: Cylinders, Cones & Spheres		
S1115	Changing dimensions		
S1116	Complex figures		

STATISTICS

S1801	Measures of central tendency		
S1802	Frequency Tables		
S1803	Stem and leaf diagrams		
S1804	Grouped data		
S1805	Five number summary		
S1806	Box and whisker diagram		
S1807	Subdivision		

