

GAUTENG PROVINCE MATHEMATICS FRAMEWORK (GRADE 10-12)

2017

DATE	GRADE 10	%	Assessment	GRADE 11	%	Assessment	GRADE 12	%	Assessment
TERM 1			Formal (25%)			Formal (25%)			Formal (25%)
11/1 – 13/1	Algebraic expressions	3%	2 TASKS:	Real N's/Laws of exponents: Simplification	3%	2 TASKS:	Number Patterns (Rev quadratic 1 day)	4%	
(3 days)	3		Z TAGRO.			Z TAGNO.	Arithmetic seq and series		
16/1 – 20/1	Algebraic expressions	6%		Laws of Exponents: Simplify / Solve equations	6%		Sequences and Series (AS and GS)	8%	
23/1 – 27/1	Algebraic expressions	9%		Laws of Exponents and Surds	9%		Sigma / Sum of series/ Sum infinity	12%	
30/1 - 03/2	Algebraic expressions	12%	INVESTIGATION OR	Equations: Factorisation / Completing t square	12%	INVESTIGATION OR	Functions: Formal definition Inverses, Restrictions-domain	16%	PROJECT / INVESTIGATION
06/2 - 10/2	Exponents	15%	PROJECT	Equations: Formula / Quadratic Inequalities	15%	PROJECT	Functions: Inverses,	20%	INVESTIGATION
13/2 - 17/2	Exponents	18%	OR	Simultaneous equations / Nature of roots	18%	OR	Functions: Exponential and Logarithmic	24%	
20/2 - 24/2	Number patterns	21%	TEST	Number patterns	21%	TEST	Financial Maths	28%	ASSIGNMENT
27/2 - 03/3	Equations	24%		Number patterns	24%		Financial Maths	32%	
06/3 - 10/3	Equations and Inequalities	27%		Analytical Geometry	27%	TEST	Trig: Compound angles	36%	
13/3 – 17/3	Equations and Inequalities	30%	TEST	Analytical Geometry	30%		Trig: Double angles	40%	TEST[variety topics]
20/3 - 24/3 (3 days)	Euclidean Geometry	33%		Euclidean Geometry	33%		Euclidean Geometry	44%	
27/3 – 31/3	Euclidean Geometry	36%		Euclidean Geometry	36%		Euclidean Geometry	48%	
TERM 2	,			,			,		
18/4 – 21/4	Trigonometry	39%	2 TASKS:	Functions-linear/parabola	39%	2 TASKS:	Euclidean Geometry	52%	
(4 days) 24/4 – 28/4	Trigonometry	42%		Functions- parabola/ hyperbola	42%		Trig 2 – D / 3 – D problems	56%	
(3 days)	ringonometry	42 /0		, ,,	7270		·	0070	
01/5 – 05/5 (4 days)	Trigonometry	45%	MATHS WEEK	Functions- hyperbola /exponential Apply nature of roots with functions	45%	MATHS WEEK	Factors of 3 rd degree pol(1 day). Limit concept and gradient of function at point	60%	
08/5 - 12/5	Functions	48%	ASSIGNMENT OR	Functions- average gradient / applications Apply nature of roots with functions	48%	ASSIGNMENT OR	Calculus(Limits, First principles, Rules)	64%	
15/5 - 19/5	Functions	51%	TEST	Trig functions and revision grade 10	51%	TEST	Calc: Cubic graphs, Tangents, Concavity)	68%	TEST[variety topics]
22/5 - 26/5	Functions	54%		Application of Identities Reduction formula	54%	1	Calculus: optimisation, rate of change	72%	
29/5 - 02/6	Trig functions	57%		Trig equations and general solutions	57%	1	Analytical Geometry	76%	
05/6 - 09/6	JUNE EXAMS			JUNE EXAMS			JUNE EXAMS		
12/6 – 16/6 (4 days)	JUNE EXAMS		EXAMS	JUNE EXAMS		EXAMS	JUNE EXAMS		JUNE EXAMS
19/6 - 23/6	JUNE EXAMS			JUNE EXAMS		j	JUNE EXAMS		
26/6 - 30/6	Exam corrections			Exam corrections			Exam corrections		
TERM 3		2221			222/			222/	
24/7 – 28/7	Euclidean Geometry	60%	2 TASKS:	Measurements	60%	2 TASKS:	Statistics	80%	<u> </u>
31/7 – 04/8	Euclidean Geometry	63%		Euclidian Geometry	63%		Statistics	84%	<u> </u>
07/8 - 11/8 (4 days)	Analytical Geometry	66%		Euclidian Geometry	66%	INVESTIGATION	Counting and Probability	88%	
14/8 – 18/8	Analytical Geometry	69%	INVESTIGATION	Euclidian Geometry	69%	OR	Counting and Probability	92%	TEST[variety topics]
21/8 – 25/8	Financial Maths	72%	OR	Trigonometry Sin/Cos/Area rules	72%	PROJECT	Analytical Geometry	96%	
28/8 - 01/9	Financial Maths	75%	PROJECT	Trigonometry Sin/Cos/Area rules	75%	OR	Trigonometry 2D and 3D problems	100%	
04/9 - 08/9	Statistics	78%	OR	Financial Maths	78%	TEST	Prelim exam		DDELIM EVANO
11/9 - 15/9	Statistics	81%	TEST	Financial Maths	81%	1	Prelim exam		PRELIM EXAMS
18/9 – 22/9	2D Trig	84%		Probability	84%	TEST	Prelim exam		
25/9 – 29/9 (4 days)	2D Trig	87%	TEST	Probability	87%		Prelim exam		
TERM 4									
09/10 -13/10	Measurement	90%		Statistics	90%		Revision		
16/10 -20/10	Probability	93%	1 TASK	Statistics	93%	1 TASK	Revision		
23/10 –27/10	Probability	96%		Statistics	96%	1	Revision		1
30/10 - 3/11	Geometry / Functions	100%	TEST	Geometry / Trigonometry	100%	TEST	FINAL EXAMINATIONS		
06/11 -10/11	Revision			Revision			FINAL EXAMINATIONS		
13/11 –17/11	FINAL EXAMINATIONS			FINAL EXAMINATIONS			FINAL EXAMINATIONS		
20/11 -24/11	FINAL EXAMINATIONS			FINAL EXAMINATIONS			FINAL EXAMINATIONS		
27/11 - 01/12	FINAL EXAMINATIONS			FINAL EXAMINATIONS			FINAL EXAMINATIONS		