Subject	Mathematics
Grade	10
Stream	Elite
Number of Questions	25
Type of Questions	Multiple Choice
Calculator	NOT Allowed
Marks per Question	5
Maximum Overall Grade	100*
Exam Duration	120 minutes
Mode of Implementation	SwiftAssess

Notes:

* Best 20 answers out of 25 will count. Example: 14 correct answers yield a grade of 70/100, while 20 and 23 correct answers yield a (full) grade of 100/100 each.

** Questions might appear in a different order in the actual exam.

*** X.-Y. means all examples from X. to Y. For example: 1.-6. means all examples from 1. to 6.; that is, 1., 2., 3., 4., 5., and 6.

**** Page numbers are as per the Reveal Integrated III textbook printed version.

Q#	Learning Outcome	Textbook Reference	
**	(as it appears in the Scheme of Work)	Example(s)	Page(s)
1.	Write logarithmic expressions in exponential form.	1.-6.	265
2.	Write logarithmic expressions in exponential form.	49.-52.	268
3.	Write and solve exponential decay equations.	Example 2	297-298
4.	Solve logarithmic equations using properties of equality.	27.-36.	274
5.	Solve exponential equations by using natural logarithms.	28.-33.	291
6.	Simplify expressions with natural logarithms.	46.-47.	293
7.	Write and solve exponential growth equations and inequalities.	11.-16.	303
8.	Simplify rational expressions by multiplying and dividing.	46.-49.	318
9.	Simplify rational expressions by multiplying and dividing.	1.-3.	366
10.	Simplify rational expressions by adding and subtracting.	1.-12.	323
11.	Simplify complex fractions.	53.-56.	326
12.	Graph reciprocal functions by making tables of values.	1.-6.	333
13.	Graph and analyze rational functions with oblique asymptotes.	11.-16.	344
14.	Recognize and solve direct and joint variation equations.	7.-12.	351
15.	Solve rational inequalities in one variable.	19.-24.	362
16.	Draw angles in standard position and identify coterminal angles. Convert between degrees and radian measures and find arc lengths by using central angles.	16.-42.	421
17.	Convert between degrees and radian measures and find arc lengths by using central angles.	70.-73.	423
18.	Find values of trigonometric functions for acute angles.	7.-12.	431
19.	Find values of trigonometric functions by using reference angles.	40.-45.	432
20.	Find values of trigonometric functions.	69.-74.	434
21.	Find values of trigonometric functions that model periodic events.	13.-18.	441
22.	Find values of trigonometric functions given a point on a unit circle or the measure of a special angle.	7.-9.	478-479
23.	Graph and analyze sine and cosine functions.	5.-10.	451
24.	Model periodic real-world situations with sine and cosine functions.	19.-20.	452
25.	Graph and analyze tangent functions.	1.-6.	461