

Benchmark Modules: Secondary Mathematics 3

Test Name	What This Test Measures	Form	Number of Items
Benchmark Module: Math SM3 – Functions	This test measures the student's ability to construct and compare linear, quadratic, and exponential models and solve problems; interpret functions that arise in applications in terms of the context; build a function that models a relationship between two quantities; and analyze functions using different representations.	A	11
		B	11
		C	11
Benchmark Module: Math SM3 – Numbers & Quantity/Algebra	This test measures the student's ability to create equations that describe numbers or relationships, interpret the structure of expressions, use complex numbers in polynomial identities and equations, perform arithmetic operations on polynomials, use polynomial identities to solve problems, rewrite rational expressions, and understand solving equations as a process of reasoning and explain the reasoning.	A	14
		B	14
		C	14
Benchmark Module: Math SM3 – Statistics & Probability	This test measures the student's ability to summarize, represent, and interpret data on a single count or measurement variable; understand and evaluate random processes underlying statistical experiments; and make inferences and justify conclusions from sample surveys, experiments, and observational studies.	A	9
Benchmark Module: Math SM3 – Trigonometric Functions/Geometry	This test measures the student's ability to extend the domain of trigonometric functions using the unit circle, apply geometric concepts in modeling situations, visualize relationships between two-dimensional and three-dimensional objects, and model periodic phenomena with trigonometric functions.	A	10
		B	11

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