

<b>Course Title: Intensive Mathematics (edits)</b>			
<b>Course Number: 1200400</b>			
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Questions</b>	<b>Suggested Cognitive Complexity (per CPALMS)</b>
<b><i>Reporting Category 1: Solving equations and inequalities</i></b>			
MAFS.912.N-Q.1.1	Use units to understand problems/guide solutions	2	2 Level 2
MAFS.912.N-Q.1.2	Define appropriate quantities for descriptive modeling	1	1 Level 2
MAFS.912.A-SSE.1.1	Interpret parts of an expression, such as, terms, factors and coefficients	4	4 Level 2
MAFS.912.A-CED.1.1	Create equations/inequalities in 1 variable to solve problems	3	3 Level 2
MAFS.912.A-CED.1.4	Rearrange formulas to solve for specific variables	2	2 Level 1
MAFS.912.A-REI.1.1	Explain each step in solving a simple equation	1	1 Level 3
MAFS.912.A-REI.2.3	Solve linear equations/inequalities	4	4 Level 2
MAFS.912.A-REI.3.5	Solve a system of equations by replacing one equation with the sum of itself and a multiple of the other equation	1	1 Level 3
MAFS.912.A-REI.3.6	Solve systems of linear equations	2	2 Level 1
<b><i>Reporting Category Total</i></b>		<b>20</b>	
<b><i>Reporting Category 2: Working with functions and relations</i></b>			
MAFS.912.A-CED.1.3	Represent constraints by equations/inequalities and interpret viability of solutions	1	1 Level 3
MAFS.912.A-REI.4.11	Explain why the x-coordinates of the intersection of two equations are the solutions of $f(x)$ and $g(x)$	1	1 Level 2
MAFS.912.F-IF.1.1	Understand the definition of a function and the relationship between its domain and range	2	2 Level 1
MAFS.912.F-IF.1.2	Use function notation, evaluate functions and interpret statements using function notation in terms of context	1	1 Level 2
MAFS.912.F-LE.2.5	Interpret parameters in a linear function in terms of a context	1	1 Level 2
<b><i>Reporting Category Total</i></b>		<b>6</b>	
<b><i>Reporting Category 3: Interpreting graphs and graphing representations</i></b>			
MAFS.912.N-Q.1.3	Choose level of accuracy on measurements when reporting quantities	1	1 Level 2
MAFS.912.A-CED.1.2	Create and graph equations in two or more variables	2	2 Level 2
MAFS.912.A-REI.4.10	Understand that the graph of two variable equation is the set of its solutions	2	2 Level 1
MAFS.912.A-REI.4.12	Graph the solution to a two variable linear inequality	2-1	1 Level 2
MAFS.912.F-IF.2.4	Interpret key features of graphs/tables for a function that models a relationship between two quantities	1	1 Level 2
MAFS.912.F-IF.2.5	Relate the domain of a function to its graph	2-1	1 Level 2
MAFS.912.F-IF.2.6	Calculate/interpret average rate of change of a function	1	1 Level 2
MAFS.912.F-LE.1.1	Identify situations modeled by linear functions	1	1 Level 3
MAFS.912.F-LE.1.2	Construct linear functions given graphs, 2 input-output pairs or relationship description	2	2 Level 2
<b><i>Reporting Category Total</i></b>		<b>9</b>	

Overall Percentage for Written Test: \_\_100%\_\_