

Math IC – Report Card

August 2, 2015

Name: [REDACTED]

Learning Target (Unit 1)		<i>Demonstrated Mastery Level</i>
1.1.1	I can distinguish between the real numbers, rational numbers, integers, and natural numbers.	2
2.1.1	I can use both interval and set-builder notation.	4
2.1.2	I can find the domain and range of a function based on its equation.	3
2.1.3	I can determine whether a given relation represents a function.	4
2.2.1	I can graph square root functions.	4
2.2.2	I can graph absolute value functions.	3
2.2.3	I can graph piecewise functions.	4
2.3.1	I can identify the intervals over which a function is increasing, decreasing, and constant.	3
2.3.2	I can calculate and interpret the average rate of change of a function.	4
2.3.3	I can describe a real-life situation corresponding to a given graph.	4
9.1.1	I can set up a system of two linear equations and variables.	4
9.1.2	I can solve a system of two linear equations and variables.	4
9.2.1	I can solve a system of three linear equations and variables.	4
9.3.1	I can determine whether a system of linear equations has no solutions, exactly one solution, or an infinite number of solutions.	4
9.9.1	I can set up a system of linear inequalities to represent a real-life situation.	4
9.9.2	I can graph the solution set of a system of linear inequalities.	4

Unit Snapshot Scoring Guide	
6	Complete mastery of all content.
5	Mastery of nearly all content.
4	Understanding of most content.
3	Partial understanding of most content.
2	Emerging understanding of some content.
1	Limited understanding of content.

Learning Target Scoring Guide	
4	Consistent success at learning target.
3	Moderate success at learning target.
2	With help, partial success at learning target.
1	Limited evidence of success at learning target.

Unit 1 Snapshot	5
-----------------	---

Learning Target (Unit 2)		<i>Demonstrated Mastery Level</i>
1.1.2	I can find the union and intersection of sets.	4
1.3.1	I can factor out the greatest common factor and write a trinomial as a product of binomials.	4
1.3.2	I can factor a difference of squares.	2
1.3.3	I can factor by grouping.	2
1.5.1	I can use the quadratic formula to solve a quadratic equation.	3
1.10.1	I can find and interpret the slope of a line.	4
1.10.2	I can write the equation of a line passing through two given points.	3
1.10.3	I can convert between slope-intercept and standard form.	4
1.10.4	I can write the equation of a line parallel or perpendicular to a given line.	4
1.10.5	I can sketch the graph of a linear function.	4
2.2.4	Using a table, a graph, or an equation, I can explain what it means for a function to be linear.	4
2.5.1	Using a table, a graph, or an equation, I can explain what it means for a function to be quadratic.	4
2.5.2	I can sketch a graph of a quadratic function and identify its vertex and axis of symmetry.	4
2.5.3	I can complete the square to transform a quadratic equation into vertex form.	3
2.5.4	I can find the equation of a parabola passing through three given points.	4
2.6.1	I can find and apply the maximum or minimum value of a function to solve a problem.	4
3.1.1	I can find the roots of a polynomial function by factoring completely.	3
3.4.1	I can manipulate complex numbers.	4

Unit Snapshot Scoring Guide	
6	Complete mastery of all content.
5	Mastery of nearly all content.
4	Understanding of most content.
3	Partial understanding of most content.
2	Emerging understanding of some content.
1	Limited understanding of content.

Learning Target Scoring Guide	
4	Consistent success at learning target.
3	Moderate success at learning target.
2	With help, partial success at learning target.
1	Limited evidence of success at learning target.

Unit 2 Snapshot	6
------------------------	----------

Learning Target (Unit 3)		<i>Demonstrated Mastery Level</i>
1.2.1	I can simplify expressions involving integer exponents.	2
1.2.2	I can simplify expressions involving rational exponents and radicals.	4
1.2.3	I can convert between rational exponents and radicals.	4
1.5.2	I can solve radical equations, identifying extraneous solutions.	2
1.5.3	I can solve exponential equations by identifying a common base.	1
1.5.4	I can factor algebraic expressions using the method of substitution.	4
3.1.2	I can describe the end behavior of polynomial functions.	3
3.1.3	I can sketch the graph of polynomial functions.	3
3.1.4	I can find the roots, minimum values, and maximum values of polynomials using technology.	4
3.1.5	I can write an equation matching a graph of a polynomial function.	4
3.5.1	I can factor an expression over the complex numbers.	3
3.5.2	Given a list of roots, I can write the equation of a polynomial with those roots.	4
3.6.1	I can identify the x-intercept(s) and y-intercept of a rational function.	3
3.6.2	I can identify the vertical asymptote(s) and horizontal asymptote of a rational function (or determine that none exist).	3
4.1.1	I can write the equation of an exponential function matching a graph.	4
4.2.1	Given an equation, I can convert between exponential and logarithmic form.	2
4.2.2	I can evaluate logarithms.	3
4.3.1	I can expand and condense expressions involving logarithms.	3
4.4.1	I can solve exponential equations using logarithms.	4

Unit Snapshot Scoring Guide	
6	Complete mastery of all content.
5	Mastery of nearly all content.
4	Understanding of most content.
3	Partial understanding of most content.
2	Emerging understanding of some content.
1	Limited understanding of content.

Learning Target Scoring Guide	
4	Consistent success at learning target.
3	Moderate success at learning target.
2	With help, partial success at learning target.
1	Limited evidence of success at learning target.

Unit 3 Snapshot	5
------------------------	----------

Self-Reported Homework Scoring Guide	
4	All problems completed with work shown. No blank answers. If not sure how to do a problem, showed what was tried with a question about what to do next.
3	One or two problems left blank or without work <u>or</u> a well-formed question about what to do next.
2	More than two problems left blank or without work <u>or</u> a well-formed question about what to do next.
1	Very little effort was expended on this assignment.

Homework Average
3.60

Final Grade Guide	
6	Complete mastery of all course content.
5	Mastery of nearly all course content.
4	Understanding of most course content.
3	Partial understanding of most course content.
2	Emerging understanding of some course content.
1	Limited understanding of course content.

Final Grade
5