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| **LG #** | **L105** | **Standards:** | **F-IF.1.1, F-IF.1.2, N-Q.1.1, N-Q.1.2, N-Q.1.3** |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.****The student will be able to:*** Determine the constraints necessary to convert a basic function to a one-to-one function

**No major errors or omissions regarding the score 4.0 content.** |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. |
| **3.0** | **Students will be able to understand the concept of a function and use function notation.****The student will be able to:*** Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. (F-IF.1.1)
* Interpret statements that use function notation in terms of a context. (F-IF.1.2)
* Choose and interpret units consistently in formulas .(N-Q.1.1)
* Choose and interpret the scale and the origin in graphs and data displays.(N-Q.1.1)
* Choose a level of accuracy appropriate to limitations on measurement when reporting quantities. (N-Q.1.3)

**No major errors or omissions regarding the score 3.0 content (simple or complex).** |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. |
| **2.0** | **The student recognizes and describes specific terminology such as:**

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| * Recursive rule
 | * Range
 | * Sequence
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| * Function
 | * Input
 | * Term
 |
| * Function notation
 | * Output
 | * Significant Digit
 |
| * Domain
 | * Explicit rule
 | * Precision
 |

**The student will be able to:*** If f is a function and x is an element of its domain, then f(x) denotes the output of f corresponding to the input x. The graph of f is the graph of the equation y = f(x).

(F-IF.1.1)* Use function notation and evaluate functions for inputs in their domains.(F-IF.1.1)
* Use units as a way to understand problems and to guide the solution of multi-step problems. (N-Q.1.1)
* Define appropriate quantities for the purpose of descriptive modeling. (N-Q.1.2)
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| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. |
| **1.0** | With partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.5** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.0** | Even with help, no understanding or skill is demonstrated |