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| **LG #** | **A106** | **Standards:** | **F-IF.1.1, F-IF.1.2, F-IF.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:**   * Create a graph and an equation of a function that is not continuous and justify why it is still a 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 (domain) to another set (range) assigns to each element of the domain exactly one element of the range.](http://www.cpalms.org/Public/PreviewResource/Preview/55309) ([F-IF.1.1](http://www.cpalms.org/Public/PreviewResource/Preview/59142)) * [Use function notation to evaluate functions by inputting the elements of the domains.](http://www.cpalms.org/Public/PreviewResource/Preview/56288) ([F-IF.1.2](http://www.cpalms.org/Public/PreviewResource/Preview/56305)) * [Interpret statements that use function notation in terms of a context. (F-IF.1.2)](http://www.cpalms.org/Public/PreviewResource/Preview/56313)   **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:**   |  |  |  | | --- | --- | --- | | * Recursive Rule | * Range | * Element | | * Function | * Term | * Explicit Rule | | * Function Notation | * Input | * Sequence | | * Domain | * Output |  |   **The student will be able to:**   * [Define](http://www.cpalms.org/Public/PreviewResource/Preview/59137) and [identify](http://www.cpalms.org/Public/PreviewResource/Preview/55272) a function. (F-IF.1.1) * [Understand that the graph of f(x) is the equation y = f(x).](http://www.cpalms.org/Public/PreviewResource/Preview/55307) For example, y = 2x +5 is the same as f(x)= 2x+5. ([F-IF.1.1](http://www.cpalms.org/Public/PreviewResource/Preview/59138)) * [Understand function notation. (F-IF.1.1; F-IF.1.2)](http://www.cpalms.org/Public/PreviewResource/Preview/56282) * [Recognize sequences are functions whose domain is a subset of integers. (F-IF.1.3)](http://www.cpalms.org/Public/PreviewResource/Preview/66648) * [Recognize sequences are functions that are sometimes defined recursively. (F-IF.1.3)](http://www.cpalms.org/Public/PreviewResource/Preview/70022) | | |
| **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 | | |