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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:**

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| --- | --- | --- |
| * 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 |