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| **LG #** | **L106** | **Standards:** | **F-IF.2.4, F-IF.2.5, F-IF.2.6** |
| **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:*** Predict future outcomes based on domain constraints.
* Relate the range constraints of a function to the quantitative relationship it describes.

**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 interpret functions that arise in applications in terms of the context.****The student will be able to:*** For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities. (F-IF.2.4)
* Relate the domain of a function to the quantitative relationship it describes, where applicable. (F-IF.2.5)
* Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. (F-IF.2.6)

**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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| --- | --- | --- |
| * Axis of Symmetry
 | * Domain
 | * Vertex
 |
| * Intervals
 | * Range
 | * Ordered Pair
 |
| * Maximum
 | * Rate of change
 | * Intercepts (x and y)
 |
| * Minimum
 | * Slope
 |  |

**The student will be able to:*** Sketch graphs showing key features given a verbal description of the relationship.

(F-IF.2.4)* Relate the domain of a function to its graph. (F-IF.2.5)
* Estimate the rate of change of a function from its graph. (F-IF.2.6)
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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 |