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| **Topic**: Functions |
| **Course**: Algebra I |
| **Score 4.0**  | **In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**  |
|  | *Score 3.5*  | *In addition to score 3.0 performance, partial success at score 4.0 content*  |
| **Score 3.0**  | **The student will:** • Interpret statements that use function notation in terms of a context (HSF-IF.A.2)• Evaluate functions for inputs in their domains (HSF-IF.A.2)• Recognize that sequences are functions, sometimes defined recursively, whose domain is the subset of the integers (HSF-IF.A.3)**The student exhibits no major errors or omissions.** |
|  | *Score 2.5*  | *No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*  |
| **Score 2.0**  | **There are no major errors or omissions regarding the simpler details and processes as the student:** • Recognizes or recalls specific terminology such as:* Define, denote, domain, element, equation, evaluate, function, graph, input, integer, interpret, notation, output, range, recursive, sequence, set, subset

• Performs basic processes, such as:* 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 (HSF-IF.A.1)
* Understand that 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 of x (HSF-IF.A.1)
* Understand that the graph of *f* is the graph of the equation y = f(x). (HSF-IF.A.1)
* Use function notation (HSF-IF.A.2)

**However, the student exhibits major errors or omissions regarding the more complex ideas and processes.** |
|  | *Score 1.5*  | *Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*  |
| **Score 1.0**  | **With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.**  |
|  | *Score 0.5*  | *With help, partial success at score 2.0 content but not at score 3.0 content*  |
| **Score 0.0**  | **Even with help, no success**  |