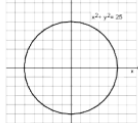
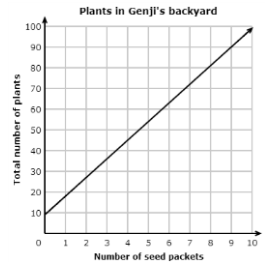


Content: Functions		Grade Level: 8										
Standard: 8.F.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.												
I can: <ul style="list-style-type: none"> evaluate a function. understand that in a function, each input has only one output. describe the domain and range of a function. determine whether a given graph or table represents a function. 												
Score 4.0	In addition to achieving level 3.0 content, the student makes in-depth inferences and applications that go beyond what was taught.											
	Sample Activities <ul style="list-style-type: none"> Construct a table and graph to represent a relationship that is not a function. Determine whether $x = y^2$ is a function. 											
	3.5	In addition to achieving level 3.0 content, the student has partial success with level 4.0 content.										
Score 3.0	The student: <ul style="list-style-type: none"> completes an input-output table accurately; <ul style="list-style-type: none"> including equations with negatives and rational numbers. graphs a function from a table. interprets the graph of a function. determines whether or not a given table and graph represent a function. state the domain and range of a function when given a table or graph. <p>The student exhibits no major errors or omissions.</p>											
	Sample Activities <ul style="list-style-type: none"> Complete the table for $y = -\frac{1}{2}x - 3$ and graph the function. <table border="1" style="display: inline-table; margin: 10px;"> <tr> <td>x</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> With 9 seed packets, how many total plants can Genji have in his yard? Does the graph below represent a function? Explain. <div style="display: flex; justify-content: space-around; align-items: center;">   </div> 		x	-1	0	1	2	y				
x	-1	0	1	2								
y												
	2.5	No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.										
Score 2.0	There are no major errors or omissions regarding the simpler details and processes. <ul style="list-style-type: none"> Students can accurately complete a table involving only positive integers. Students can state the domain and range when given a table. Students make some errors when completing an input-output table. Students make some errors when graphing the function. <p>However, the student exhibits major errors or omissions regarding the more complex ideas and processes.</p>											
	Sample Activities <ul style="list-style-type: none"> Complete the table for $y = 2x + 2$ and state the domain and range. <table border="1" style="display: inline-table; margin: 10px;"> <tr> <td>x</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> 		x	-1	0	1	2	y				
x	-1	0	1	2								
y												
	1.5	Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0.										
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.											
	0.5	With help, a partial understanding of the 2.0 content, but not the 3.0 content.										
Score 0.0	Even with help, no understanding or skill demonstrated.											

