

**Essential Learning Target: FOUNDATIONAL**

**0: Language and Symbols of Algebra:**

**I can use function notation accurately to describe function and to find missing inputs and outputs.**

**Common Core Standard:**

8<sup>th</sup> Grade Standard

Level: Algebra 1 (Foundational)

Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.		Sample Tasks																	
	3.5	In addition to score 3.0 performance, in-depth inferences and applications with partial success.																		
Score 3.0	<p><b>The student:</b></p> <ul style="list-style-type: none"> <li>can use function notation accurately, finding inputs and outputs as required.</li> <li>can write a simple function rule for a situation.</li> </ul> <p><b>The student exhibits no major errors or omissions.</b></p>		<ul style="list-style-type: none"> <li>If <math>f(x) = 2x - 5</math>, find <math>f(-3)</math></li> <li>For <math>f(x) = 2x - 5</math>, if <math>f(x) = 3</math>, what is <math>x</math>?</li> <li>Write a function where <math>f(5) = 2</math></li> </ul>																	
	2.5	No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content																		
Score 2.0	<p><b>There are no major errors or omissions regarding the simpler details and processes as the student:</b></p> <ul style="list-style-type: none"> <li>solves one and two step equations</li> <li>recognizes or recalls specific terminology and symbols such as:                             <ul style="list-style-type: none"> <li>Variable/Term/Like Term/Distribute</li> <li>Expression vs. Equation</li> <li>Equation (=) vs. Inequality (&lt;, &gt;, ≤, ≥)</li> </ul> </li> <li>performs basic processes, such as:                             <ul style="list-style-type: none"> <li>I can use the distributive property.</li> <li>I can combine like terms.</li> <li>I can translate from words to symbols</li> <li>I can evaluate expressions with absolute value, roots and positive exponents</li> <li>I can accurately use the order of operations on EVERY expression.</li> <li>I can add, subtract, multiply and divide integers accurately</li> </ul> </li> </ul> <p><b>However, the student exhibits major errors or omissions regarding the more complex ideas and processes.</b></p>		<ul style="list-style-type: none"> <li>Solve                             <table border="1" data-bbox="911 835 1511 1052"> <tbody> <tr> <td><math>-3x = 27</math></td> <td><math>\frac{x}{11} = -4</math></td> <td><math>5 + 2x = -11</math></td> </tr> <tr> <td><math>4 - x = -17</math></td> <td><math>\frac{x}{5} - 2 = 7</math></td> <td><math> x + 2  = 4</math></td> </tr> </tbody> </table> </li> <li>For the expression <math>3x</math>, evaluate for <math>x = -2</math></li> <li>Distribute <math>-3(x - 2)</math></li> <li>Combine like terms                             <math display="block">3x + 2x^2 - 4x + 1</math> </li> <li>Write an equation for: <i>I ordered 6 pancakes and a 2\$ tip.</i></li> <li>Write an inequality for: <i>You have to be older than 15 to work at Starbucks.</i> Define your variable.</li> <li>Evaluate                             <table border="1" data-bbox="911 1461 1495 1665"> <tbody> <tr> <td><math>-17 - 7</math></td> <td><math>3 - 2(-2)</math></td> <td><math>5 +  -8 </math></td> </tr> <tr> <td><math>\sqrt[2]{49}</math></td> <td><math>\frac{28}{-4} + (5)(-8)</math></td> <td><math>5\sqrt[3]{8}</math></td> </tr> <tr> <td><math>6 - 6^2</math></td> <td><math>-2^4</math></td> <td><math>\sqrt[2]{14 + 11}</math></td> </tr> </tbody> </table> </li> </ul>			$-3x = 27$	$\frac{x}{11} = -4$	$5 + 2x = -11$	$4 - x = -17$	$\frac{x}{5} - 2 = 7$	$ x + 2  = 4$	$-17 - 7$	$3 - 2(-2)$	$5 +  -8 $	$\sqrt[2]{49}$	$\frac{28}{-4} + (5)(-8)$	$5\sqrt[3]{8}$	$6 - 6^2$	$-2^4$	$\sqrt[2]{14 + 11}$
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	1.5	Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content																		
Score 1.0	<p><b>With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.</b></p> <p>Student can independently solve one step equations.</p>																			

	<b>0.5</b>	With help, a partial understanding of the 2.0 content but not the 3.0 content	
<b>Score 0.0</b>	<b>Even with help, no understanding or skill demonstrated.</b>		