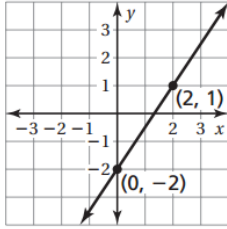


Content: Math		Grade Level: 8 th										
Standard: 8.F.2 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). <i>For example, given a linear function represented by a table of values and a linear function represented by an algebraic expression, determine which function has the greater rate of change.</i>												
I can: <ul style="list-style-type: none"> determine the properties of a function written in algebraic form. (slope, y-intercept, linear, nonlinear) determine the properties of a function given the inputs and outputs in a table. determine the properties of a function represented as a graph. determine the properties of a function given verbally. compare properties of two functions each represented in a different way. 												
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										
	3.5 In addition to achieving level 3.0 content, the student has partial success with level 4.0 content.	<ul style="list-style-type: none"> Which company would you buy internet access from & why? 										
Score 3.0	The student: <ul style="list-style-type: none"> is able to interpret and compare important properties of functions when they are represented in different ways, such as: <ul style="list-style-type: none"> numerically in a table. graphically. verbally. algebraically. The student exhibits no major errors or omissions.	<ul style="list-style-type: none"> Which company has the highest monthly rate? <p>Company A: The installation and set-up fees for cable internet come to \$150. The cost for internet access is \$40 per month.</p> <p>Company B:</p> <table border="1"> <thead> <tr> <th>Month</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>Total Cost</td> <td>\$130</td> <td>\$160</td> <td>\$190</td> <td>\$220</td> </tr> </tbody> </table> <p>Company C: $y = 20x + 200$</p>	Month	1	2	3	4	Total Cost	\$130	\$160	\$190	\$220
Month	1	2	3	4								
Total Cost	\$130	\$160	\$190	\$220								
	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 as the student: <ul style="list-style-type: none"> recognizes or recalls specific terminology, such as: <ul style="list-style-type: none"> function. performs basic processes, such as: <ul style="list-style-type: none"> identifying slope. identifying y-intercept. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	<ul style="list-style-type: none"> Identify the slope and y-intercept of the function. <p>a) </p> <p>b) $y = \frac{1}{2}x - 1$</p>										
	1.5 Partial knowledge of the 2.0 content, but major errors or omissions regarding the 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.											
	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.											