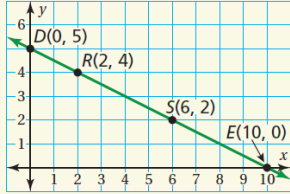
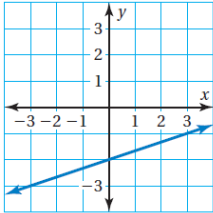


Content: Math		Grade Level: 8 th
Standard: 8.EE.6		
Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b .		
I can:		
<ul style="list-style-type: none"> use right triangles to show why the slope, m, is the same between any two distinct points on a non-vertical line in the coordinate plane. justify these right triangles are similar by comparing the ratios of the lengths of the corresponding sides. write an equation for a line in slope-intercept form ($y = mx + b$). 		
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.	
	3.5	In addition to achieving level 3.0 content, the student has partial success with level 4.0 content.
Score 3.0	<p>The student can:</p> <ul style="list-style-type: none"> write an equation in slope-intercept for a given line. identify that the slope of a line is the same between any two points on the line because of similar triangles. <p>The student exhibits no major errors or omissions.</p>	
		<p>Sample Activities</p> <ul style="list-style-type: none"> Write an equation for the line that passes through the point (4, 6) and is parallel to the line with the equation $y = 2x + 1$.
		<ul style="list-style-type: none"> Draw two triangles that show the rise and run of the line using points D & E and R & S. Are the two triangles similar? How do you know?  <p>Write an equation for the line in slope-intercept form.</p> <ul style="list-style-type: none"> Write an equation for the line in slope-intercept form. 
	2.5	No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.
Score 2.0	<p>There are no major errors or omissions regarding the simpler details and processes as the student:</p> <ul style="list-style-type: none"> identifies the slope and y-intercept of an equation given in slope-intercept form. <p>However, the student exhibits major errors or omissions regarding the more complex ideas and processes.</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.	