

Content: Math		Grade Level: 8th
Standard: 8.EE.7.a		
Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x = a$, $a = a$, or $a = b$ results (where a and b are different numbers).		
I can:		
<ul style="list-style-type: none"> • give examples of linear equations in one variable with one solution. • give examples of linear equations in one variable with infinitely many solutions. • give examples of linear equations in one variable with no solutions. • use inverse operations and the properties of equality to solve linear equations in one variable. 		
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"> • Two more than a number is 15 less than twice the number. Find the number. 	
	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"> • solve any linear equation and interpret the solution including: <ul style="list-style-type: none"> ○ many solutions ○ no solution ○ one solution <p>The student exhibits no major errors or omissions.</p>	
	<ul style="list-style-type: none"> • $10x - 23 = 29 - 3x$ • $-x + 7 - 6x = 19 - 7x$ • $-\frac{1}{2}(36a - 6) = \frac{3}{4}(4 - 24a)$ 	
	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"> • solves simple linear equations and interprets the solution including: <ul style="list-style-type: none"> ○ many solutions ○ no solution ○ one solution <p>However, the student exhibits major errors or omissions regarding the more complex ideas and processes.</p>	
	<ul style="list-style-type: none"> • $2x + 5 = x + 3$ • $2x + 4 = 2x - 4$ • $2(x + 4) = 2x + 8$ 	
	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.	