Content Standard	MAFS.8.EE Expressions and Equations					
	MAFS.8.EE.3 Analyze and solve linear equations and pairs of simultaneous linear equations.					
	MAFS.8.EE.3.7 Solve linear equations in one variable.					
	MAFS.8.EE.3.7a 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).					
	MAFS.8.EE.3.7b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.					
Assessment Limit	Numbers in items must be rational numbers.					
Calculator	Yes					
Item Types	Equation Editor					
	Matching Item					
	Multiple Choice					
	Multiselect					
Context	Allowable					
Sample Item	em Item Type					
How many solution	s doos the equation shown have?	Open Bespense				
	s does the equation shown have?	Open Response				
$\frac{1}{4}(x-3) = 3x - \frac{1}{4}$						
What values of <i>a</i> ar solutions?	Equation Editor					
3x = ax + b						
What values of a ar solution is $x = 3$?	Equation Editor					
$\frac{-3}{5}(x-5) + 4x = ax + b$						
Solve the equation	Equation Editor					
2(x-4) = 4x + 3x	2(x-4) = 4x + 3x + 6					

Grade 8 Mathematics Item Specifications Florida Standards Assessments

Sample Item	Item Type			
Explain why $3(x+4) =$	Multiple Choice			
A. The <i>x</i> -terms are th				
B. The <i>x</i> -terms are different and the matrix of the matri				
C. The <i>x</i> -terms are th				
D. The x -terms are un				
Enter values of <i>a</i> and <i>b</i>	Equation Editor			
ax + 4 = 5x + b				
$b = \square$				
Select whether each eq	Matching Item			
	No solution	One solution	Infinitely many solutions	
3x = 3x + 4				
3x + 4 = 3x + 4				
3x + 4 = 4x + 3				