Content Standard	**MAFS.7.EE** *Expressions & Equations*
	MAFS.7.EE.1 *Use properties of operations to generate equivalent expressions.*
	MAFS.7.EE.1.2 Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. *For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05."*
Assessment Limits	Numbers in items must be rational numbers, including integers, fractions, and decimals. Expressions must be linear.
Calculator	Neutral
Item Type	Equation Editor Multiple Choice Multiselect Open Response
Context	Allowable

Sample Item	Item Type
Maggie is buying a jacket. The expression shown represents the sales tax on the jacket price, j. $0.08j$ Write an expression in terms of j to represent the total amount that Maggie spends on the jacket, including tax.	Equation Editor
Which expression represents that x was doubled and then decreased by 25%? A. $2x - 0.25x$ B. $0.25x - 2x$ C. $2(x - 0.25x)$ D. $2x - (2x - 0.25x)$	Multiple Choice

Matching Item

The cost of a barrel of beans, b, fluctuates by 17% in both directions during a three-month period.

Match each verbal description of the high and low cost of a barrel of beans with all equivalent expressions.

	$b + 0.17b$	$b - 0.17b$	$b - 1.17b$	$-0.17b$	$0.83b$	$1.17b$
b is increased by 17%	☐	☐	☐	☐	☐	☐
b is decreased by 17%	☐	☐	☐	☐	☐	☐