Grade 7 Math C1 TC

Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.	
Content Domain: **Expressions and Equations**	
Target C [m]: Use properties of operations to generate equivalent expressions. (DOK 1, 2) Tasks for this target will require students to add, subtract, factor and expand linear expressions with rational coefficients.	
Standards:	7.EE.1, 7.EE.2
DOK Target(s):	1, 2
Evidence Required:	1. The student adds and subtracts linear expressions with rational coefficients. 2. The student factors linear expressions with rational coefficients. 3. The student expands linear expressions with rational coefficients. 4. The student generates equivalent linear expressions using a combination of addition and subtraction, factoring, and expansion.
Allowable Item Types*:	SR, CR
Task Models:	1. SR (DOK 1) **Prompt Features:** The student is prompted to identify the sum or difference of linear expressions with rational coefficients. Or the student is prompted to identify a list of solution steps that can be used to find the sum or difference of given linear expressions with rational coefficients. **Stimulus:** The student is presented with two or more linear expressions with rational coefficients. 1. CR (DOK 1) **Prompt Features:** The student is prompted to write the sum or difference of linear expressions with rational coefficients. **Stimulus:** The student is presented with two or more linear expressions with rational coefficients. 2. SR (DOK 1) **Prompt Features:** The student is prompted to identify the factors of a linear expression. Or the student is prompted to identify a list of solution steps that can be used to factor a given linear expression with rational coefficients. **Stimulus:** The student is presented with a linear expression with rational coefficients. 2. CR (DOK 1) **Prompt Features:** The student is prompted to determine the factors of linear expressions with rational coefficients.

	Stimulus: The student is presented with one or more linear expressions with rational coefficients. 3. SR (DOK 1) **Prompt Features:** The student is prompted to identify the expanded form of products of linear expressions with rational coefficients. Or the student is prompted to identify a list of solution steps that can be used to write the product of given linear expressions with rational coefficients in expanded form. **Stimulus:** The student is presented with linear expressions with rational coefficients. 3. CR (DOK 1) **Prompt Features:** The student is prompted to write the product of linear expressions with rational coefficients in expanded form. **Stimulus:** The student is presented with linear expressions with rational coefficients. 4. SR (DOK 2) **Prompt Features:** The student is prompted to identify a linear expression that is equivalent to a given linear expression. **Stimulus:** The student is presented with a linear expression. 4. CR (DOK 2) **Prompt Features:** The student is prompted to write a linear expression that is equivalent to a given linear expression. **Stimulus:** The student is presented with a linear expression.
Allowable Stimulus Materials:	
Allowable Disciplinary Vocabulary:	sum, difference, factor, expand, form, rational coefficient, linear expression, distributive property of multiplication over addition, associative property of addition/multiplication, commutative property of addition/multiplication
Allowable Tools:	For some items, calculators may be used.
Target-Specific Attributes:	
Key Nontargeted Constructs:	
Accessibility Concerns:	
Sample Items:	MAT.07.CR.1.000EE.C.296, MAT.07.SR.1.000EE.C.162

*SR = selected-response item; CR = constructed-response item; TE = technology-enhanced item; ER = extended-response item; PT = performance task