

UNIT 4 - LESSON PLANS

Class Math 6

Topic Equivalent Expressions

Lesson 6 Of 10

Objective

Students will:

- Determine if the given expressions are equivalent given the value of the variable.
- Define and identify like terms.
- Generate equivalent expressions by combining like terms.
- State the distributive property.
- Write equivalent expressions in factored form using the greatest common factor and the distributive property.
- Use the distributive property to write equivalent expressions in standard form.

"I Can" Statement

I can determine if the given expressions are equivalent given the value of the variable.

I can generate equivalent expressions by combining like terms, factoring out the greatest common factor and using the distributive property.

Common Core Standards

[CCSS.MATH.CONTENT.6.EE.A.2.C](#)

Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations). *For example, use the formulas $V = s^3$ and $A = 6s^2$ to find the volume and surface area of a cube with sides of length $s = 1/2$.*

[CCSS.MATH.CONTENT.6.EE.A.3](#)

Apply the properties of operations to generate equivalent expressions. *For example, apply the distributive property to the expression $3(2 + x)$ to produce the equivalent expression $6 + 3x$; apply the distributive property to the expression $24x + 18y$ to produce the equivalent expression $6(4x + 3y)$; apply properties of operations to $y + y + y$ to produce the equivalent expression $3y$.*

[CCSS.MATH.CONTENT.6.EE.A.4](#)

Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of which value is substituted into them). *For example, the expressions $y + y + y$ and $3y$ are equivalent because they name the same number regardless of which number y stands for.*

UNIT 4 - LESSON PLANS

Bell Work See Bell Work 4-6

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

Assessment

Bell Work 4-6
Assignment 4-6
Exit Quiz 4-6

Additional Resources See Online Activities