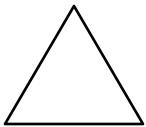
Na	Date
1.	Use the Associative and Commutative Properties of Addition to generate (at least three) expressions equivalent to the expression shown below:
	(3x+2y)+4z
2.	Choose an expression equivalent to $(3x + 2y) + 4z$ from above that illustrates the Commutative Property of Addition. Clearly explain how this property was used.
3.	Choose an expression equivalent to $(3x + 2y) + 4z$ from above that illustrates the Associative Property of Addition. Clearly explain how this property was used.

The triangle shown below is equilateral, that is, all sides are of equal length.



The length of one side is represented by the expression x + 2 so that the perimeter of the triangle can be represented by the expression:

$$(x + 2) + (x + 2) + (x + 2)$$

1. Use the properties of operations to write a second expression that is equivalent to this expression.

2. Explain, using properties of operations, why the two expressions are equivalent.

Name		Date	_	
1.	Lena bought some new clothes for school during tax-free weekend. Jeans cost \$35, and shirts cost $x$ dollars. Lena bought three outfits costing her $3(35 + x)$ . Using the Distributive Property, generate an expression equivalent to $3(35 + x)$ . Explain.			
2.	2. The area of Mr. Harrison's rectangular vegetable garden can be represented with the expression $8x + 16$ . Using the Distributive Property, rewrite $8x + 16$ as the product of width (4 meters) and the length. Explain.			
	4 meters			
		?		