Name _____ Grade _____

ALGEBRA PROPERTY

Please read the following questions carefully and answer them completely, using your own words whenever possible. Feel free to express your own thoughts and opinions.

1 What are the three basic properties in algebra that we often use? Briefly explain each property!

2 What is the commutative property? In your own words, if we swap the numbers we add, will the result still be the same? For example, is 2 + 3 the same as 3 + 2? Why is that?

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3 If we have a number multiplied by the sum of two numbers, can we multiply that number by each number in the sum and then add the results? For example, is 2 x (3 + 4) the same as (2 x 3) + (2 x 4)? Why is that?

4 If we have many numbers to add, does the way we group them affect the result? For example, is (2 + 3) + 4 the same as 2 + (3 + 4)? Why is that?

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