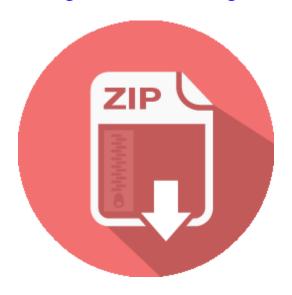# WHAT ARE THE DIFFERENCES AND SIMILARITIES OF LINEAR EQUATIONS INEQUALITIES

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What are the similarities and differences in solving

Similarities between equations and inequalities: For simple equations and inequalities you solve them the same way EXCEPT, if it is an inequality, and you multiply or divide each side by a NEGATIVE number, FLIP the inequality.

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What are the similarities and differences in solving

Differences. Multiplying or dividing both sides by a negative number changes the direction of an inequality. So we cannot multiply or divide both sides by a variable unless we know that the variable is either always positive or always negative. This is not a concern when solving equalities. When applying a decreasing function to both sides

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Difference Between Inequalities and Equations Difference

Difference Between Inequalities and Equations. An equation is a statement that maintains the equal value of two mathematical expressions. If the statement is true for all variable values, it is called an identity. If it is only true for some variable values, it is called a conditional equation. An inequality, on the other hand,

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Difference Between Linear Equations Linear Inequalities

Equation Solutions. One obvious difference between linear equations and inequalities is the solution set. A linear equation of two variables can have more than one solution. For instance, with x = 2_y_ + 3, (5, 1), then (3, 0) and (1, -1) are all solutions to the equation. In each pair, x is the first value and y is the second value.

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SOLUTION What are the similarities and differences

the equation of x = c is a linear equation because it is an equation of a straight line. this equation is not a function because you can have more than 1 value of y for each value of x. the equation of x = c is a vertical line. for example: the equation x = 5 yields one value of x and an infinite number of possible values for y.

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Are there similarities between an equation and an inequality

A linear equation corresponds to a line, and a linear inequality corresponds to a region bounded by a line. Consider the equation y = x-5. This could be graphed as a line goi ng through (0,-5), (1,-4), (2,-3), and so on.

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Solving Linear Inequalities with a Comparison to Linear

We discuss how an inequality has infinitely many solutions shown by shading, and an equation has one solution shown by one closed circle on that number. Comparing the rules of solving linear inequalities with linear equations from the Venn diagram to specific examples from the Partner worksheet helps students make the connection between theory and practice.

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What is the difference between inequalities and equations

Linear inequalities are equations, but instead of an equal sign, it has either a greater than, greater than or equal to, less than, or a less than or equal to sign. Both can be graphed. Solving linear equations mainly differs from solving linear inequalities in the form of the solution.

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What is the difference between solving equations and

Equations have a set final amount, and iniquities have a range of answers. When you solve an equation, you get the only anwser that it can have. For example, if you solved and got x=5, then x has to equal 5. When you solve

an inequality, if you get x=5, it depends on your signs and overall the context of the question.

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Differences Between Absolute Value Linear Equations

For example, the absolute value of -2 -- written as |-2| -- is equal to 2. In contrast, linear equations describe the relationship between two variables. For example, y = 2x +1 tells you that to calculate y for any given value of x, you double the value of x and then add 1.

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Difference Between Linear Equations and Linear Inequalities

Consider first a linear equation of the form 2x - 5y = 8. Now choose a linear inequality of the form 5y < 2x - 8 or 5y > 2x - 8. What are the major differences between the linear equation graph and the linear inequality.

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The solution s of a system of linear equations Algebra

However, I will tell you the essential answer in the differences between the SOLUTIONS: The solution(s) of a system of linear equations give points of intersection of specific lines or planes. The solution(s) of a system of linear inequalities give areas of intersection wherein any specific pair of points or lines are solutions.

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