1021-26-7

Syed K Shahwali^{*} (SKshahwali@Yahoo.com), 1 Eric Place apt 10, N. Providence, RI 02911. The game of Infinity : The Study of Numbers tending to Infinity; in case of additions, Multiplication, Division and Subtraction. Preliminary report.

Introduction

The purpose for writing the New game of Infinity is to find a solid result when the Variables (Numbers) are approaching to infinity. For example if $x \rightarrow \hat{a}$ (infinity) and $y \rightarrow \hat{a}$ (infinite), What is x-y or y-x. So these types of interested cases are disused in my research thesis. Now the cardinality of Set of Natural Number is Infinite or countably Infinite. Similarly cardinality of Set of Positive Integers is Infinite or countability Infinite. So if we subtract these two numbers we should get zero as a net result. Again if we take cardinality of set (Natural Numbers divisible by 2) and subtracts it from the cardinality of set (Natural Numbers) we get 2 Infinity. Since these second is the double of other. So I tried to solve the expression without using the term cardinal or ordinal. I take advantage of D'l Hopital's ., who try to solve these expression using derivatives or the slope of line or curve. (Received March 29, 2006)