1014-26-1735 **Kandasamy Muthuvel*** (muthuvel@uwosh.edu), Department of mathematics, University of Wisconsin-Oshkosh, 800 Algoma Blvd, Oshkosh, WI 54901-8631. *A note on 2-to-1 function.* Preliminary report.

A function $f : R \longrightarrow R$ is called a n-to-1 function if $|f^{-1}(y)| = n$ or 0 $\forall y \in R$. It is proved in [1] that, for a natural number n, n is odd if and only if there exists a continuous n-to-1 function $f : R \longrightarrow R$. In this talk we discuss some properties of n-to-1 function. In particular, we show that the cardinality of the set of discontinuous points of any 2-to-1 function is infinite.

[1] K. Ciesielski, R.G. Gibson, T. Natkaniec, *κ-to-1 Darboux-Like Function,* Real Analysis Exch.23(2),(1997-98), 671-687. (Received September 29, 2005)