1077-VL-610 **Mohammad K Azarian*** (azarian@evansville.edu), Department of Mathematics, University of Evansville, 1800 Lincoln Avenue, Evansville, IN 47722. *Jensen's Inequality Versus Algebra in Finding the Exact Maximum.*

In this paper we find the exact maximum value of a function without the conventional method of using critical numbers. In fact, we find the exact maximum without even finding the derivative of the function. First we apply Jensen's Inequality, and then we use simple algebra to find the exact maximum. We conclude our presentation by posing two questions. (Received September 08, 2011)