

1014-Z1-864 **M. Affouf*** (maffouf@kean.edu), Mathematics Department, Kean University, Union, NJ 07083.
Web-Based Homework and Achievement.

The purpose of this paper is to determine the effectiveness of achievement on Web-based homework assignments on the overall comprehension measured by final exam in a first year college algebra course. Over 1500 students were included in the study for three years period. Based on statistical analysis, we show that Web-based homework is a strong indicator of final performance on a uniform college algebra exam and we measure this association. We also discuss the advantages and disadvantages of Web-based homework assignments. (Received September 26, 2005)