

1056-BC-1761 **Bernadette F. Turner*** (turnerb@lincolnu.edu), Dept. CSTM 820 Chestnut St, Jefferson City, MO 65101, and **Donna Stallings**. *Retention Benefits of Refocused College Algebra*.

Refocused College Algebra is part of an NSF Grant funded to Don Small at West Point Military Academy. The focus of this approach is to combine ideas of statistical analysis with the ordinary algebraic manipulations and analysis of College Algebra in Mathematical Applications. This grant was specifically designed to study the effects of refocusing college algebra on student retention in College Algebra classes for HBCU institutions throughout the United States. During the workshop, criteria were presented for a more cohesive design of curriculum. This design has influenced organization of other classes for reform as well. Thus, syllabus, exams, and homework coincide so that testing and teaching what is stated in goals and objectives is carefully constructed as part of the syllabus. Results of these efforts have assured that both teachers and students are more focused on their related expectations. (Received September 22, 2009)