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**Kashi N Neupane\*** ([kashi.neupane@ung.edu](mailto:kashi.neupane@ung.edu)), University of North Georgia, 3820 Mundy Mill Rd, Oakwood, GA 30566. *Factors Significantly Contributing to Improve Students' Grades over the Semester in College Algebra and Precalculus*. Preliminary report.

Existing research shows that many students receive inconsistent grades over the semester for various reasons. Some students constantly improve their grades in each unit test while the other do not. In this research, we study how different factors contribute to improve students' grades from one test to the other tests over the semester. Among the various factors that contribute to change in grade over the semester, we look at how students' engagement on online homework assignments and utilization of different resources for test preparation affect their grades. One hundred and fifty students from five different classes were included to obtain quantitative data such as the time spent on online homework and grades in each unit test, and qualitative data such as resources students focused to prepare for the test. The study shows that time spent, better utilization of right resources, and focus on the right area to be improved contributes positively on students' achievement. (Received March 09, 2021)