

# **College Readiness in Mathematics of Senior High School Graduating Students in the Schools District of Paoay**

Rick Harley P. Bolibol, Jessa G. Rosete and Ciriaco T. Ragual  
Mariano Marcos State University

## **Abstract**

This study primarily determined the college readiness of the Senior High School graduating students as measured by their performance in mathematics. Specifically, it assessed the level of performance in mathematics and level of performance in producing all forms of text, and determined the readiness index of Senior High School graduating students. This descriptive study used 167 randomly selected Senior High School graduating students from four schools in Paoay. The students answered a 50-item validated College Advanced Placement Examination in Algebra and Trigonometry (CAPEAT) and composed 10-15 sentences that describe how they understand mathematics, where it was being used, and the roles of mathematics in their world. Results showed that the majority of the students got low score in the CAPEAT. Most of the students got higher score in Algebra than in Trigonometry. The general mean score of the students is 30.90%. The students are generally low in the mathematics reflection composition (MRC) as evidenced by the modal score of 1 which means that the students are able to elicit the ideas and concepts of the guide questions but show erroneous understanding of these. In general, School B has surpassed the district mean in both CAPEAT and MRC. School D surpassed only the district mean in MRC but not in CAPEAT. Both Schools A and C were not able to exceed the district mean in both CAPEAT and MRC. The college readiness in mathematics of the Senior High School graduating students in the school district of Paoay got low scores and the students need to exert more effort in mathematics. They need to focus and understand the concepts in Algebra and Trigonometry to improve their performance. Moreover, the students must review the concepts learned to be ready in tertiary mathematics.

**Keywords:** *mathematics, senior high school, readiness in mathematics*