

Thesis Title	Effects of Learning Activity on Complex Numbers by Using the Geometer's Sketchpad Program and Team Assisted Individualization
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Abstract

The purposes of this research were to construct the plan for learning activity and to study the learning achievement of Mathayomsuksa 5 students on Complex Numbers by using Team Assisted Individualization (TAI) and media creating from Geometer's Sketchpad Program (GSP). The sample group was students in the first semester of the academic year 2014, who have mathematical knowledge and achievement in the intermediate level and one classroom was purposively selected from Bangbowitthayakhom School, the Secondary Educational Service Area Office 6. Time taken for this experiment was 16 hours. It can be concluded from this experiment that the constructing plan for learning activity had good effectiveness with the efficiency 92.00/85.52. Furthermore, the learning achievement of students after study is improved with the significant level of .04.

Keywords : Complex Numbers / Geometer's Sketchpad Program (GSP) / Team Assisted Individualization (TAI)