

Thesis Title	Effects of Learning Activity on Complex Numbers by Using the Geometer's Sketchpad Program and Team Assisted Individualization
Thesis Credits	12
Candidate	Miss Sopha Phukathorn
Thesis Advisor	Assoc. Prof. Dr. Ungsana Chundang
Program	Master of Science
Field of Study	Didactic Mathematics
Department	Mathematics
Faculty	Science
Academic Year	2014

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)