

Thanawit Thannamtip 2012: Effect of Learning Activities Using Inquiry Method on Circle by Using The Geometer's Sketchpad Program for Mathayomsuksa Three Students at Yothinburana School, Bangkok. Master of Education (Teaching Mathematics), Major Field: Teaching Mathematics, Department of Education. Thesis Advisor: Mrs. Chanisavara Lertamornpong, Ph.D. 100 pages.

The purposes of this research were 1) to study the mathematics learning achievement on Circle by using The Geometer's Sketchpad program and 2) to study students' opinions towards learning activities using inquiry method on Circle by using The Geometer's Sketchpad program for mathayomsuksa three students at Yothinburana School, Bangkok.

The sample group was 46 mathayomsuksa three students in the second semester of academic year 2011 at Yothinburana School, Bangkok that was selected by cluster random sampling from 9 classrooms. The research instruments were lesson plans, instructional media by using The Geometer's Sketchpad program, the 22 items of mathematics learning achievement test, and students' questionnaire on learning activities using inquiry method on Circle by using The Geometer's Sketchpad program. The data were analyzed by the percentage, mean, standard deviation, and t-test

The research finding revealed that 1) mathematics learning achievement on circle by using The Geometer's Sketchpad program was higher than 60% at the .05 level of significance, and 2) almost all students were very satisfied with learning activities using inquiry method on Circle by using The Geometer's Sketchpad program.

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Student's signature

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Thesis Advisor's signature

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