

Oracha Isarangkoon Na Ayutthaya 2013: The Development of Concept Worksheets Learning for Enhancing Mathematical Concepts and Attitudes towards Mathematics Learning in Mathayom Suksa I Students of Debsirin School. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor: Assistant Professor Suntara Tobua, Ed.D. 201 pages.

The objectives of this research were 1) to develop the teaching as the learning revolution in mathematics by using the concept worksheets 2) study mathematical concepts of Mathayom Suksa I Students by using the concept worksheets 3) study attitudes towards mathematics learning after learning by using the concept worksheets

The target populations were 50 students of mathayom Suksa 1 of Debsirin School. The research instruments used in this study were lesson plan of exponential focused on the mathematical concepts, mathematical concepts test, the concept worksheets assessment form and the attitudes towards mathematics learning test. The instructional plan that was 4 steps as following: step 1-teaching mathematical concepts, step 2- present, step 3- clarify and step 4- using the concept worksheets. Percentage, mean were used in quantitative data analysis and content analysis were used in qualitative data.

The results of study found that mathematical concepts of Mathayom Suksa I students by using the concept worksheets passed criterion averaged at 64%. Result of desirable characteristics – indicating behavior namely the self – discipline, avidity for learning and effort for studying of mathematics class students had higher development after learning by using the concept worksheets. Attitudes towards mathematics learning of Mathayom Suksa I students is at the very good level.

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Student's signature

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Thesis Advisor's signature