

Mathematics Textbook
for Junior Secondary School
Geometrical Topics

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Introduction

The Preliminary Version of the English Sample Edition

This is the sample translation of Japanese Mathematics Textbooks for Junior Secondary School from Year 12 to 15 published by Gakkotosyo (2007). The chapters on Geometry are selected because Japan has been teaching the geometrical proof and it is one of feature of Japanese mathematics education.

The translated materials are expected to use for the following aims:

- Math-Educators who have a wish to compare the curriculum and content
- Teacher educators who have a wish to engage in teacher education
- Educational Technology Researchers who have a wish to use e-textbook.
- Teachers who wish to engage in the lesson study

The translated materials have two versions:

- Printed materials
- Digital materials (e-textbook) including Dynamic Geometry Software used for Interactive Board or Computer.

If you have an opportunity to access digital version, you may know the innovative ways using textbooks in the classroom.

Original textbooks in Japanese were published under the previous curriculum (1999). Japanese textbooks for new curriculum standards (2008) are not yet published. One of the features of year 1999 curriculum is the reduction of a number of content due to reduced teaching time.

The aims of translation and using the materials are only limited to the research aims for teacher preparation. Gakkotosyo kindly provide permission to Masami Isoda for developing translated version of Japanese textbooks and using the developments on the aims by free within only limited number of copies and pages. Others are not allowed to reprint the materials and for further distribution.

The translation is done by Chuan Eng Foo under the supervising from Masami Isoda. Technical support for developing materials was done with Masaru Sanuki, Napoleon Cabira, Orlando Gonzales, Miyakoshi Hiromi and Hiroki Yahara.

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