# THE PREPARATION <br> OF AN ACEIEVERENT TRST <br> ITT ELETHMPARY AIGEBRA. 

## PHOTOGOPYING NOT ALLOWED

A Thesis
Presented to
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by
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## CHAPTER I

## INTRODUCRION

It has often been said that algebra is the bridge which leads from arithmetic into the realms of higher mathomatics. And, according to Bdgerton and Carpenter, since algebra is the next step begond arithmetic in building the foundation of mathematios, every boy and girl should master it. 1

Elementary Algebra is the first of a series of algebra subjects which all students who desire to pursue college mork have to take. It is offered in the first year of high school and immediately precedes the subject of Intermediate Algebra or, as designated by local curricula, Advanced Algebra which is offered in the third gear high school.

Statement of the problem. At present there is a Virgin field for tests and measurements in the Philippines. Particularly, there is no standardized test for Elementary Algebra applicable to Filipino students. The Lankton FirstYear Algebra Test was designed primarily for use in American schools. This study undertakes to make the initial steps in the preparation of a standardized achievement test in

1 Edward I. Edgerton and Perry A. Carpenter, Elementary Algebra (New Edition; Boston: Aliyn and Bacon, 1947) p. ix.

Elementiary Algebra which can be administered in all schools throughout the country.

Background and importance of the problem. In the preparation of her thesis, Anita S. Granpertas started the making of a standardized test for third year algebra. 1 As a complement to her work, this study was made. Mlso, when Samuel Irving Colinco reported in his thesis that many of the teacher-made tests in algebra were defective, 2 it was thought that if standardized tests for algebra were available, the achievenent of the students in this subject would be more acourately neasured.

Delimitation. This study deals only with subjoct matter usually included in two semesters' work in Blementary Aleebra. It does not include problems in arithmetic nor does it probe deeper and go into the realms of Intermediate Algebra.


