

TABLE OF CONTAINS

Ratification Sheet	i
Biography	ii
Abstract	iii
Preface	iv
Table of Contains	vii
List of Table	ix
List of Figure	x
List of Appendix	xi
CHAPTER I INTRODUCTION	
1.1 Background	1
1.2 Problem Identification	8
1.3 Problem Limitation	9
1.4 Problem Formulation	9
1.5 Research Objective	9
1.6 Research Benefit	9
1.7 Operational Definitions	10
CHAPTER II LITERATURE REVIEW	
2.1 Theoretical Framework	11
2.1.1 Learn mathematics	11
2.1.2 The concept of prior knowledge	13
2.1.3 The history of research on prior knowledge	16
2.1.4 The cognitive processes and prior knowledge	17
2.2 Higher Order Thinking Skills (HOTS)	19
2.2.1 Characteristics	24
2.2.2 Level of cognitive	25
2.2.3 The steps for Preparing the reserved HOTS	26
2.2.4 Drafting Instruments HOTS	27
2.2.5 The Benefit of the HOTS	29
2.2.6 The role of reserved in assessment of the HOTS	31
2.3 Thinking Ability	33
2.4 Material	34
2.4.1 Definition of Circle	34
2.4.2 Circle Equation Centered at O (0,0) and The Radius r	36
2.4.3 Circle Equation Centered at O (0,0) and The Radius r	36
2.4.4 General Form OF Circle Equations	37
2.4.5 Point Position of The Against The Circle	38
2.4.6 Distance Point on Circle	38
2.4.7 Equation Tangent Line Circle	39

2.5	Assessment	41
2.5.1	The understanding and kind of scoring guidelinesn	43
2.5.2	Scoring from description	44
2.6	Relevant Research	45
CHAPTER III RESEARCH METHODOLOGY		
3.1	Location and Time of Research	47
3.2	Subject and Object of Research	47
3.2.1	Subject of Research	47
3.2.2	Object of Research	47
3.3	Type and Design of the Research	47
3.4	Procedure of Research	48
3.4.1	Mathematical Prior Knowledge (MPK)	48
3.4.2	Higher Order Thinking Skills (HOTS)	49
3.5	Data Collecting Technique	51
3.6	Technique of Data Analysis	52
3.7	Procedure Research	54
CHAPTER IV RESULTS AND DISCUSSION OF RESEARCH		
4.1	Result of Research	58
4.1.1	General Description of Students' Ability in Solving MPK Questions	58
4.1.2	Analysis of Written Test Results for Students' Ability to Work Higher Order Thinking Skills (HOTS) Questions	61
4.1.3	Analysis Data	65
4.2	Discussion	80
4.2.1	Data Analysis Results	80
4.2.2	Factors Cause Students are Wrong to Solving <i>Higher Order Thinking Skills</i> (HOTS) Questions	84
CHAPTER V CONCLUSION		
5.1	Conclusion	86
5.2	Suggestion	87
REFERENCES		89