

		problem-solving, as well as be aware of the validity of the answer.
3. linear equations with two variables 3.1 Graphing Linear Equations 3.2 Linear graphs of 2 unknown 3.3 Slope-Intercept Form	M 4.2	Ability to apply algebraic expressions, equations, inequalities, graphs and other mathematical models to represent various situations, as well as interpretation and application for problem-solving. m.3/2 Write a graph showing link of two sets of quantities with linear relationship. m.3/3 Draw graphs of linear equations with two variables.
4. Systems of Linear Equations. 4.1 Systems of linear equations with 2 variables. 4.2 Solving systems of linear equations with 2 variables and graph. 4.3 Using systems of linear equations with 2 variables to solve problems.	M 4.2	Ability to apply algebraic expressions, equations inequalities ,graphs and other mathematical models to represent various situations, as well as interpretation and application for problem-solving. m.3/3 Draw graphs of linear equations with two variables. m.3/5 Solve systems of linear equations with two variables which can be applied for problem-solving, as well as be aware of the validity of the answer.

Measurement and Evaluation

Total score 100 points (Assessment 60 : Midterm / Final test 40)

Measurement and Evaluation	Evaluation Methods	Assessment tool	Points	Expected outcomes
1. Pre - Midterm	1. Test 2. Project 3.Presentation	1. Real Objects 2. Project Making Criteria 3. Presentation Making Criteria	15 5 5	M 6.1 m. 3/1 M 6.1 m. 3/4 M2.1 m.3/1-2 M 4.2 m.3/1
2, Midterm Test	Tests	Examination	20	M2.1 m.3/1-2 M4.2 m.3/1

3. Post - Midterm	1. Test 2. Project 3. Presentation	1. Worksheets 2. Project Making Criteria 3. Presentation Making Criteria	15 5 5	M4.2 m.3/2 , m.3/3 , m.3/5
4. Final Test	Tests	Examination	20	M4.2 m.3/2 , m.3/3 , m.3/5
5. Desirable Characteristics	1. Observe	Observation	10	1. Love of nation, religion and king 2. Honesty and integrity 3. Self-discipline 4. Avidity of learning 5. Being Economy philosophy sufficiency 6. Responsibility and commitment to work 7. Cherishing thai-ness 8. Public-mindedness 9. Awareness of drugs and vice 10. Assertive leadership
6. Competencies	- Test - Recitation - Presentation	Examination Worksheets - Rubrics	-	1. Communication Capacity. 2. Thinking Capacity 3. Problem Solving Capacity 4. Capacity for technology Application 5. Capacity for Applying Life Skills
7. Analytical reading and writing	- Solving Word Problems	- Worksheets	-	1. Understand the concept of the word problem read. 2. Utilize mathematics in a practical way by finding solution to real world problems.