## DAILY LESSON LOG OF M9GE-IVh-j-1 (Day 10)

	School		Grade Level	Grade 9
	Teacher		Learning Area	Mathematics
	Teaching Date and Time		Quarter	First
I.	OBJECTIVES	Objectives must be met over the week and connected to the curriculum standards. To meet the objectives, necessary procedures must be followed and if needed, additional lessons, exercises and remedial activities may be done for developing content knowledge and competencies. These are assessed using Formative Assessment Strategies. Valuing objectives support the learning of content and competencies and enable children to find significance and joy in learning the lessons. Weekly objectives shall be derived from the curriculum guides.		
Α.	Content Standards	The learner demonstrates understanding of key concepts of quadratic equations.		
В.	Performance Standards	The learner is able to investigate thoroughly mathematical relationships in various situations, formulate real-life problems involving quadratic equations.		
C.	Learning Competencies/ Objectives	<u>'</u>	·	
II.	CONTENT	The Sum and Product of	f the Roots of Quadratic Equa	tions
III.	LEARNING RESOURCES			
A.	References			
1.	Teacher's Guide	297-319		
2.	Learner's Materials	477-505		
3.	Textbook pages			
4.	<b>Additional Materials from</b>			
	Learning Resource (LR)			
	portal			
В.	Other Learning Resources			
IV.	PROCEDURES	pupils/students will learn we. which you can infer from for pupils/students with multiple processes, and draw conclus	II. Always be guided by demonstration mative assessment activities. Sustain ways to learn new things, practice	the activities appropriately so that on of learning by the pupils/ students a learning systematically by providing the learning, question their learning elation to their life experiences and
A.	Review previous lesson	The teacher lets the	learners give a recap on w	hat transpired the previous
	or presenting the new lesson	meeting. Possible answer: Answe	ring activities on the Laws of	Sines.
_	Farablishing	The second of the second	anna ann Reighberg (1977)	
В.	= -		_	
	the lesson		ving this kind of triangle.	is very important in solving
3. 4. B.	Textbook pages  Additional Materials from Learning Resource (LR) portal  Other Learning Resources  PROCEDURES  Review previous lesson or presenting the new	These steps should be don pupils/students will learn we which you can infer from for pupils/students with multiple processes, and draw conclus previous knowledge. Indicate The teacher lets the meeting.  Possible answer: Answer The teacher lets the lead of an oblique triangle	II. Always be guided by demonstration mative assessment activities. Sustain ways to learn new things, practice ions about what they learned in rethe time allotment for each step.  Ilearners give a recap on warring activities on the Laws of and that the Law of Sines	on of learning by the pupils/ student to learning systematically by providing the learning, question their learning elation to their life experiences and what transpired the previous Sines.

Presenting examples/ instances of the new lesson		
Discussing new concepts and practicing new skills #1		
Discussing new concepts and practicing new skills #2		
Developing mastery (leads to formative assessment 3)		
Finding practical applications of concepts and skills in daily living		
Making generalizations and abstractions about the lesson	The teacher summarizes the mathematical concepts about oblique triangles through questions like:  a. What is an oblique triangle?  b. What are the classifications of an oblique triangle?  c. How will you solve real-life problems involving oblique triangles?  Answers shall be drawn from the students.  Possible response:  1. An <b>OBLIQUE TRIANGLE</b> is a triangle which does not contain any right angle.  2. Oblique triangles may be classified into two – acute and obtuse.  An <b>acute triangle</b> is a triangle whose angles are less than 90°.  An <b>obtuse triangle</b> is a triangle in which one of the angles is more than 90°.  3. By using the Law of Sine and Law of Cosine:  Law of Sine: $ \frac{\sin A}{A} = \frac{\sin B}{B} = \frac{\sin C}{C} $ Law of Cosines:  In any $\Delta ABC$ ,	
	Discussing new concepts and practicing new skills #1  Discussing new concepts and practicing new skills #2  Developing mastery (leads to formative assessment 3)  Finding practical applications of concepts and skills in daily living  Making generalizations and abstractions about	

		$a^{2} = b^{2} + c^{2} - 2bc(\cos A)$ $b^{2} = a^{2} + c^{2} - 2ac(\cos B)$ $c^{2} = a^{2} + b^{2} - 2ab(\cos C)$	
		$b^- = a^- + c^ 2ac(\cos B)$	
		$c^2 = a^2 + b^2 - 2ab(\cos C)$	
I.	Evaluating Learning	The teacher lets the students answer in pairs Activity 7: Help Me Find a Solution found on page 493-494 of the Learner's Module.  Answer Key: (See pages 306-308 of the TG)  1. Cost = Php 649, 500.00 2. A = 6, 317.88 sq. m. 3. AY = 4, 579.65 ft.  4. $\angle ADB = 110^{\circ}$ , $\angle DAB = 35^{\circ}$ , AB = 49.15 m  The distance of the top of the tower from the second observation point is 49.15 m.  5. $\angle ACB = 8^{\circ}$ , BC = 101.34 m, CD = 89.48 m  The distance of the weather balloon from the ground is 89.48 m.	
J.	Additional activities or remediation		
	Temediation		
1)	REMARKS		
2)	REFLECTION	Reflect on your teaching and assess yourself as a teacher. Think about your students' progress. What works? What else needs to be done to help the pupils/students learn? Identify what help your instructional supervisors can provide for you so when you meet them, you can ask them relevant	
A.	No. of learners who earned 80% of the evaluation	questions.	
В.	No. of learners who require additional activities for remediation who scored below 80%		
C.	Did the remedial lesson work? No. of learners who have caught up with the lesson.		
D.	No. of learners who continue to require remediation		
E.	Which of my teaching strategies worked well? Why did these work?		

F.	What difficulties did I encounter	
	which my principal or supervisor	
	can help me solve?	
G.	What innovation or localized	
	materials did I use/ discover	
	which I wish to share with other	
	teachers	

Prepared by:

JENNILETH MARIE M. PAGAL Canduman NHS