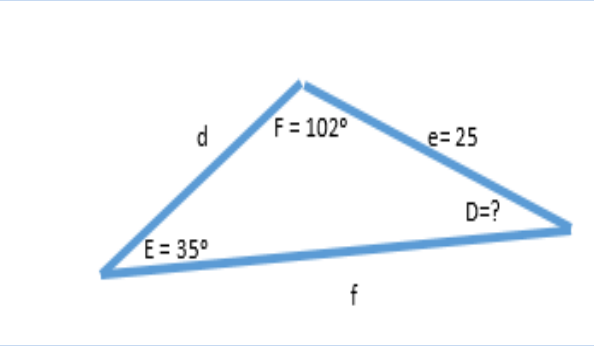
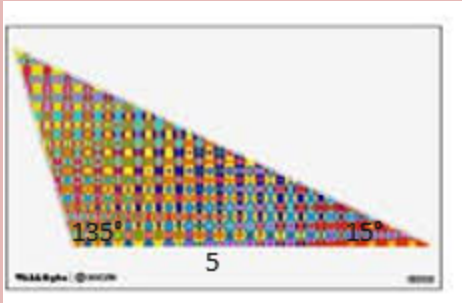
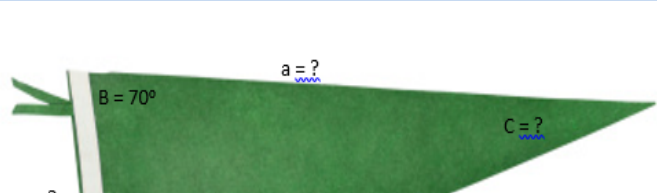
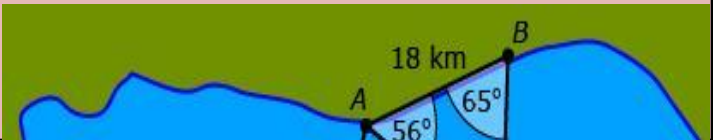


GRADE 9 DAILY LESSON LOG	School	SANTIAGO NATIONAL HIGH SCHOOL	Grade Level	9
	Teacher	Mrs. Ria A. Pabiton	Learning Area	Mathematics 9
	Teaching Dates and Time		Quarter	FOURTH

	DAY 1	DAY 2			
I. OBJECTIVES	strate the law of sine. ve problems involving law on sine. 3. Show mastery in applying the law of sine.	strate the law of sine. ve problems involving law on sine. 3. Participate actively in a group activity.			
A. Content Standard	The learner demonstrates understanding of the basic concepts of trigonometry.				
B. Performance Standard	The learner is able to apply the concepts of trigonometric ratios to formulate and solve real-life problems with precision and accuracy.				
C. Learning Competency/Objectives	Illustrates law of sines . (M9GE-IVf-g-1)				
II. CONTENT	Law on Sines (SAA Case)	Law on Sines (ASA Case)			
III. LEARNING RESOURCES					
A. References					
1. Teacher's Guide pages	298 – 300	298 – 300			
2. Learner's Materials pages	480 - 482	480 – 482			
3. Textbook pages	Advanced Algebra, Trigonometry and Statistics (Soledad Jose -Dilao, Fernando B. Orines and Julieta G. Bernabe) pages 217 – 227 Plane Trigonometry (Rene R. Belecina et al.) 85 -87	Advanced Algebra, Trigonometry and Statistics (Soledad Jose -Dilao, Fernando B. Orines and Julieta G. Bernabe) pages 217 – 227 Plane Trigonometry (Rene R. Belecina et al.) pp 85-87			

4. Additional Materials from Learning Resource (LR) Portal	www.algebralab.org	trigonometry">www.vitutor.com>trigonometry studyards">www.algebralab.org>studyards			
B. Other Learning Resource	LCD, Laptop, Activity sheet, scientific calculator	Laptop, LCD, activity sheet, scientific calculator			
IV. PROCEDURES					
A. Reviewing previous lesson or presenting the new lesson	Purpose Setting Activity FACT or BLUFF Look at the triangles below. Identify the following missing measurement a FACT or BLUFF.	Purpose Setting Activity			
B. Establishing a purpose for the lesson	Recitation/ Answering the questions orally	Recitation/ Answering the questions orally			
C. Presenting examples/Instances of the new lesson	Teaching / Modelling (The teacher does-it)	Teaching/ Modelling (The teacher does – it)			
D. Discussing new concepts and practicing new skills # 1	Number Heads Together Group Activity: Part 1: Directions: Solve for the unknown parts : Round off to the nearest tenth. Part 2: Presentation of work	Collaborative Approach Fill Me In! Direction: Complete the table below with the missing measurement.			
E. Discussing new concepts and practicing new skills # 2	Rally Coaching(By Pair) the problem and analyze the partial solution presented below. Then answer the questions follows.	Recitation/ Answering the questions orally			
F. Developing mastery	Seatwork	Think-Pair-Share (By Pair)			

ds to Formative Assessment 3)	Direction: Answer the following questions using the figure below.	Picture Me! Directions: Draw your own triangle given the indicated measures and solve for the other parts using the Law of Sine. Round off all decimals to the nearest tenth.			
G. Finding practical application of concepts and skills in daily living	Peer Tutoring (By Pair) Draw, Solve and Discuss! Directions: Draw a triangle given the following measurements and solve for the missing parts.	Peer Tutoring (By Pair) Directions: Analyze the problem and solve for the missing part.			
H. Making generalizations and abstractions about the lesson	The laws of sines states that a side divided by the sine of the angle opposite it is equal to any other side divided by the sine of the opposite angle	ASA Case: two and the included side angles			
I. Evaluating learning	Find Me! Direction: Solve for all unknown sides and angle measurements in DEF where $E = 35^\circ$, $e = 25$, $F = 102^\circ$. 	Use the Law of Sine to find x in figure below. 			
J. Additional activities for application or remediation	Now Up the figure below answer the following. a. solve the distance from B to C and A to B. b. measurement of $\angle C$? 	Follow Up Given the figure below answer the following. a. solve the distance from A to C. b. how far is B to C? 			

V. REFLECTION					
A. No. of learners who earned 80% in the evaluation	Please refer to uploaded Index of Mastery				
B. No. of learners who require additional activities for remediation who scored below 80%	Please refer to uploaded Index of Mastery				
C. What innovation or localized materials did I use/discover which I wish to share with other teachers?					
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E.					
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References:

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https://www.google.com.ph/search?q=oblique+triangle+trigonometry+word+problems+with+solutions&rlz=1C1AVNE_enPH704PH710&biw=1366&bih=662&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjUrN2p6IHQAHPNbwKHfddCU0Q_AUIBigB#imgsrc=iVtCUjQr9IAIcM%3A

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