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Summary - U4 Quiz #2 (4.3, 4.5): Cosine Law and Periodic Functions (Aug 2026)

Quiz Period Not Started Description

This quiz covers content from the course selections:

- Lesson 4.3: Solving Problems Using Cosine Law
- Lesson 4.5: Analyzing Graphs of Periodic Functions

Make sure you can do the following **before** attempting this quiz:

- Use the cosine law to calculate sides and angles in oblique triangles
- Solve problems that require the use of the cosine law in oblique triangles, including problems arising from real-world applications (e.g., surveying, navigation, building construction)
- Describe key properties of periodic functions (e.g. cycle, amplitude, period, domain, and range)
- Demonstrate an understanding of periodic relationships of the sine function and describe its key properties (amplitude, period, equation of axis, maximum and minimum values, increasing/decreasing intervals, domain and range)
- Sketch the graph of $f(x)=\sin x$ for angle measures expressed in degrees
- Describe the transformation given an equation of a sine function

Do not start the quiz until you are ready, as you only get one attempt. Once you begin, you will have **60 minutes** to complete the task. Answer all questions by selecting the best option. You are ready to start the quiz when you have done the following:

1. Sit in a quiet place where you can focus.
2. Have a pencil, paper, and calculator ready before you begin.
3. Put away any distractions (phone on silent, away from you, but within reach).
4. Have a device ready to upload one photo (PDF) showing your work.
5. You must submit **your own true work** showing full solutions within the allotted period.
6. You must justify your choice for each multiple-choice question and how you arrived at the answer **using methods and forms taught in this course.**

Quiz Details

Current User

Amayah Baboulla (username: 343422333)

Time Limit

60 minutes

Availability

Due on Aug 19, 2026 11:59 PM

Available on Aug 19, 2026 12:01 AM until Aug 19, 2026 11:59 PM

Attempts

Allowed - 1, Completed - 0

Instructions

Note: You cannot move backwards once you leave a page. Ensure you completely answer all questions on a page before proceeding.

When the timer reaches zero, your answers will be automatically saved and submitted.

Click "Start Quiz" to begin Attempt 1.

Start Quiz!
