

Trigonometry Spiral Review



The image shows a laptop screen displaying a quiz titled "Copy of PreCalculus Spiral Review - Trigonometry". The quiz interface includes tabs for "Questions", "Responses", and "Settings", and a "Total points: 20" indicator. A question card is overlaid on the screen, showing the following text:

Question #8: *
Given $\sin x = -\frac{3}{7}$ and $\pi < x < \frac{3\pi}{2}$. Find the value of $\cos x$

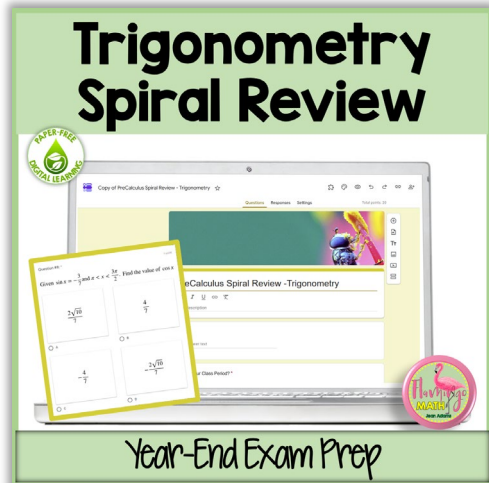
The card displays four multiple-choice options:

- A $\frac{2\sqrt{10}}{7}$
- B $\frac{4}{7}$
- C $-\frac{4}{7}$
- D $-\frac{2\sqrt{10}}{7}$

On the laptop screen, the question text is partially visible: "eCalculus Spiral Review -Trigonometry". Below the question, there are input fields for "Description", "Answer text", and "Your Class Period? *". A vertical toolbar on the right side of the screen contains icons for adding, deleting, and other quiz functions.



Year-End Exam Prep



PreCalculus Trigonometry Spiral Review with Google Forms

Your PreCalculus students will have 20 self-grading questions related to your unit on Trigonometric Functions which can be used as an assessment, homework, or a class assignment.

Teachers also have the benefit of a paperless, **NO PREP** assignment by printing the Google Form.

QUESTION STEMS:

1. Find range for inverse trigonometric function.
2. Evaluate inverse trigonometric expression.
3. Given a sine ratio, find sine of double angle on a specific interval.
4. Find the period of a trigonometric function.
5. Evaluate tangent function.
6. Evaluate a composition function that includes inverse trigonometric function.
7. Find cosine given a ratio for sine in a specific domain.
8. Write the equation for a trigonometric function given the graph.
9. Write the equation for a trigonometric function, given specific information.
10. Solve a bearing question.
11. Write an equation to model harmonic motion on a spring.
12. Write a function to model monthly average temperatures in a community.
13. Solve a right triangle given an angle and a side.
14. Find the zeros of a function.
15. Find an exact value for a trig function given a quadrant and a ratio.
16. Find the number of radians in a clock turn for a specified time.
17. Given a trigonometric function, find the range.
18. Find a minimum value for a trigonometric function.

NOTE: You and your students must have a free Google account in order to access and interact with the activity. It is not necessary to use Google Classroom to use this resource.

GOOGLE FORMS™ are editable. This offers you flexibility to add, delete, or edit questions. You can also adjust the point value for each question to meet your needs.





PreCalculus Spiral Review -Trigonome

* Required

Name *

Your answer

What is your Class Pe

Choose

! This is a required que

Question #3 *

1 point

If $\sin x = \frac{5}{13}$, $\frac{\pi}{2} < x < \pi$, then $\sin(2x) =$

☐ $-\frac{120}{169}$

☐ B

☐ $-\frac{119}{169}$

☐ D

Question #8: *

1 point

Given $\sin x = -\frac{3}{7}$ and $\pi < x < \frac{3\pi}{2}$. Find the value of $\cos x$

☐ $\frac{2\sqrt{10}}{7}$

☐ $\frac{4}{7}$

☐ B

☐ $-\frac{4}{7}$

☐ $-\frac{2\sqrt{10}}{7}$

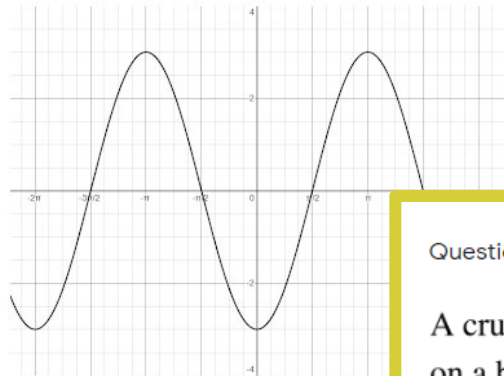
☐ C

☐ D

Editable

Question #10 *

1 point



What is the equation that describes the graph shown?

☐ $y = -3 \sin x$

☐ A

☐ $y = 3 \cos x$

Question #12: *

A cruise ship travels 92 km on a bearing of 10° , and then travels 137 km on a bearing of 100° for 137 km. Find the distance from the starting point to the end of the trip, to the nearest kilometer.

☐ 16 km

☐ B

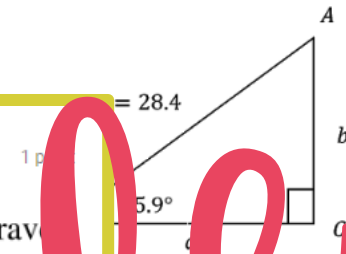
☐ 16 km

☐ C

Question #15: *

1 point

Solve the right triangle for all missing sides and angles to the nearest tenth.



☐ $A = 64.1^\circ, a = 58.5, b = 65$

☐ B

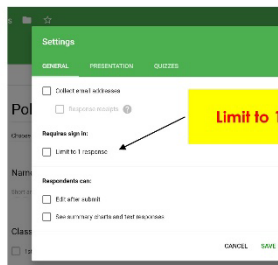
☐ $A = 64.1^\circ, a = 65, b = 31.6$

SELF-GRADING

First, The Basics:

- 1.) Have access to the Internet.
- 2.) Have a Google account – this is FREE and easy to create.
- 3.) Every student who uses the activity needs their own Google Account and the Google Forms App.
- 4.) Students can submit their finished school is one-to-one. Using Google is not a requirement.
- 5.) If you want to make a hard copy

Click the Gear and Check S



Changing Point Values:

Every question is set at a value of 1 point each.

16 questions show total points: Total points: **16**

To alter the point values:

- 1.) Click on any question.
- 2.) Click ANSWER KEY (located at the bottom of the question).
- 3.) Click on arrow up/down to change the point value.

Self-Grading

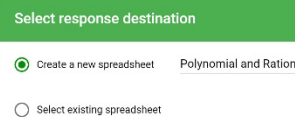
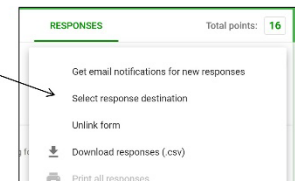
From your teacher copy you can see the GOOGLE SHEET to track student data.

On the RESPONSES TAB:

Click the three vertical dots (snowman) to begin the set-up for creating a spreadsheet.

Self-Grading Set-Up & Spreadsheet:

Click **SELECT RESPONSE DESTINATION**. Then create a new spreadsheet. This will create the spreadsheet and will save by default to your GOOGLE DRIVE Folder

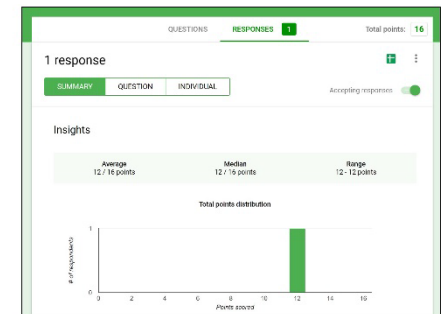


To view the student responses on the spreadsheet click here:

Viewing Student Responses:

Teachers can check responses through the **RESPONSES** Tab using a bar graph **SUMMARY**, a **QUESTION** report or an **INDIVIDUAL** student report.

If you choose to create a GOOGLE SHEET, the data will also be collected for students in the **SPREADSHEET**, which will allow sorting and an overview of all responses as shown below.



Timestamp	Score	Name	Class Period	1) Which of the following
10/28/2019 7:54:10	11 / 16	Jean Adams	1st period	D

Low Prep



Step-by-Step Instructions