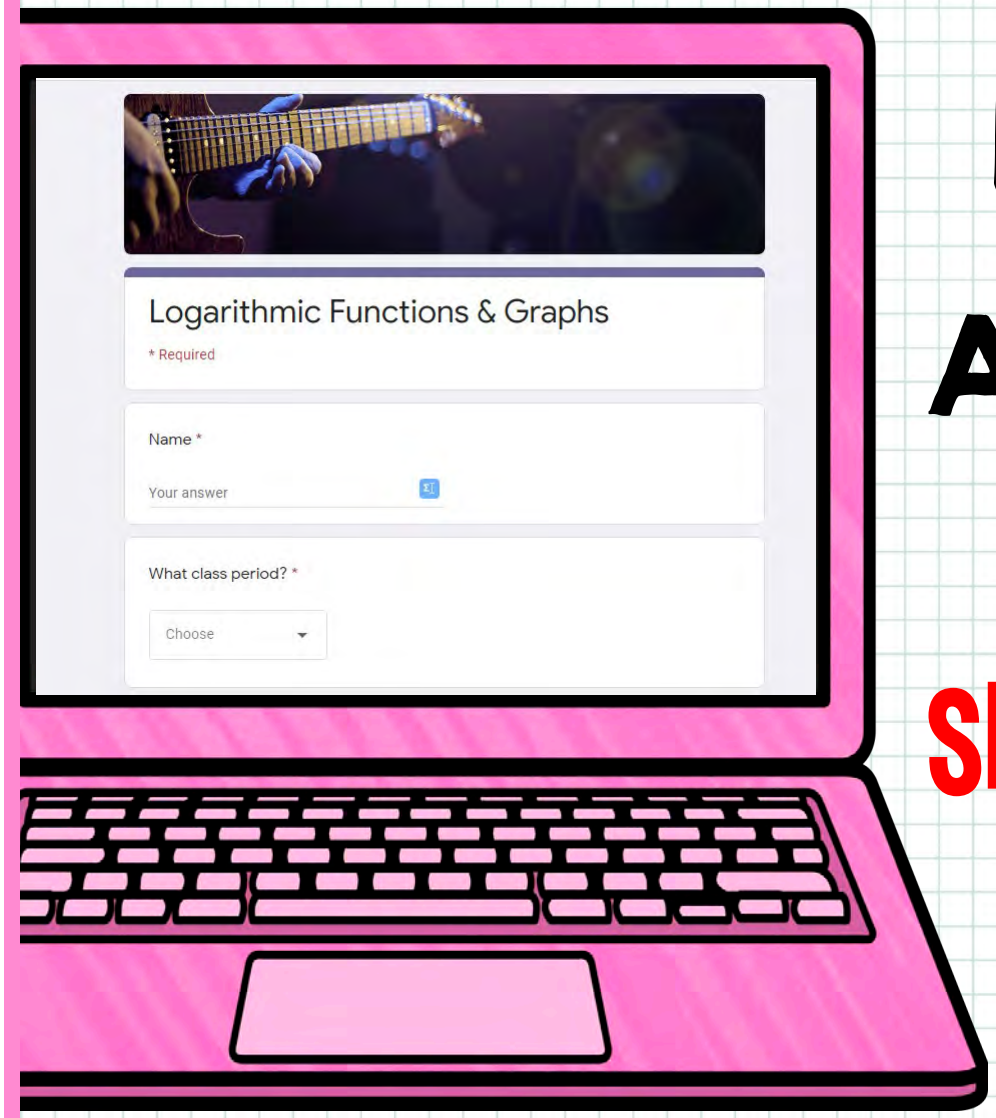
Logarithmic Functions & Graphs



Digital

Algebra 2

NO PREP!

SELF-GRADING!

BE Interactive™ with Google Drive™



Logarithmic Functions & Graphs Unit Review with Google Forms™

Your Algebra 2 or PreCalculus students will have 20 self-grading questions related to your unit on Logarithmic Functions & Graphs which can be used as an assessment, homework, or a class assignment.

Teachers also have the benefit of a paperless, **NO PREP** assignment designed with Google Forms™.

Question stems include the topics:

1. Evaluate logarithms without a calculator.
2. Write exponential expressions in logarithmic form.
3. Write a logarithm in exponential form.
4. Find vertical asymptotes of logarithmic functions.
5. Find the domain of logarithmic functions.
6. Evaluate logarithmic expressions to four decimal place accuracy.
7. Graph logarithmic functions.
8. Given a graph, write the equation of the function.
9. Solve human memory model question.
10. Condense logarithmic expressions to a single quantity.
11. Write a logarithm as a sum, difference, or multiple of logarithms.
12. Simplify logarithmic expressions.
13. Write logarithmic functions in equivalent forms.
14. Solve logarithmic equations without a calculator.

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.

Question #3: *

Write the exponential expression in logarithmic form:

$64^{\frac{1}{6}} = 2$

A

$\log_{\frac{1}{6}}(2) =$ [illegible]

C

Question #5: *

Find the vertical asymptote:

$f(x) = \ln(x+3)$

$x =$ [illegible] 3

$= -3$

B

$x = 0$

D

Question #6: *

Find the [illegible]oma[illegible] of the [illegible]unction:

$f(x) =$ [illegible] $- \log(x^2 -$ [illegible]$4)$

$(-\infty,$ [illegible]$2)$, $(2,$ [illegible]$\infty)$

A

$(-2, 2)$

B

$(-\infty, \infty)$

C

$(2, \infty)$

D

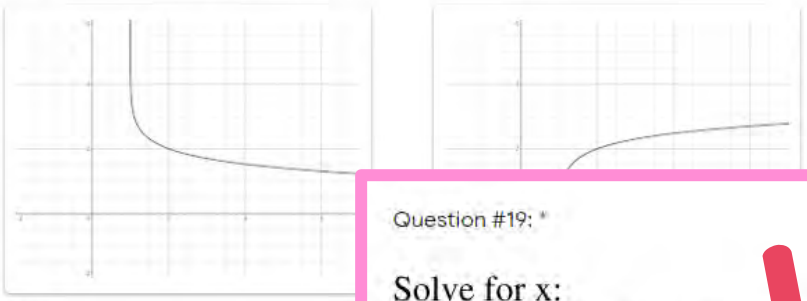
Editable

Question #8: *

1 point

Graph the function:

$f(x) = 2 - \log(x - 1)$



A



C

Question #11: *

1 point

Write as the logarithm of a single quantity:

$\frac{1}{2}\log_b 16 - 2\log_b 5 + \log_b 3$

$\log_b\left(\frac{4}{75}\right)$

B

$\log_b\left(\frac{12}{25}\right)$

D

Question #19: *

1 point

Solve for x:

$\ln(3x + 5) + \ln(7 - \bullet) = \ln(24x)$

$\frac{6}{11}$

A

$\frac{6}{11}, 5$

B

$-5, \frac{7}{3}$

C

$\frac{7}{3}$

D

Editable

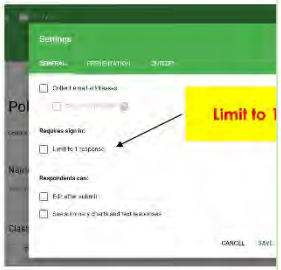
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SELF-GRADING

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 Goog is not a requirement.
5.) If you want to make a hard cop

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
3.) Click on arrow up/down to chang

Self-Grad

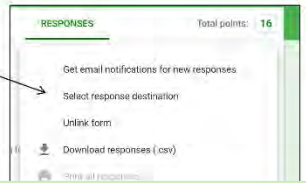
From your teacher copy you can see re GOOGLE SHEET to track student data.

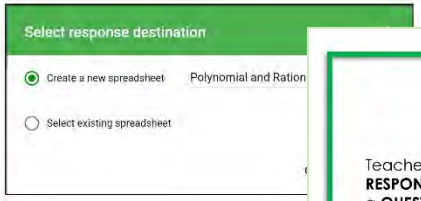
On the **RESPONSES TAB:**

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





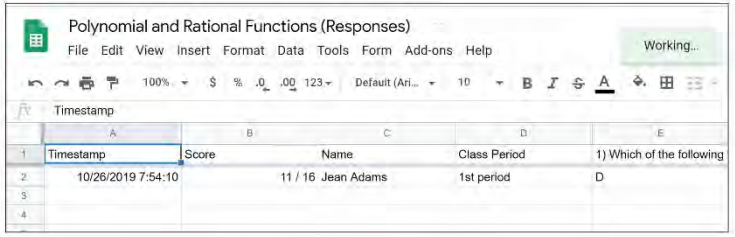
To view the student responses on the spreadsheet click here:

Viewing Student Responses:

Teachers can check responses through the **RESPONSE 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.



Low Prep

Flamingo MATH Jean Adams

Step-by-Step Instructions

What are the benefits of a digital Google Forms resource?

BENEFITS OF A DIGITAL RESOURCE:

- Great for the 1:1 classroom
- Easy access through a laptop, tablet, PC, or mobile device
- Paperless
- Self-Grading with data analysis
- Editable
- Final product can be printed
- Instant feedback



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Flamingo MATH
Jean Adams