

Precalculus Honors

What Can I Say?

A Writing Activity

2.

What is a piecewise-defined function? How do you graph these?

17.

How do you find the domain of a composition function $f \circ g$

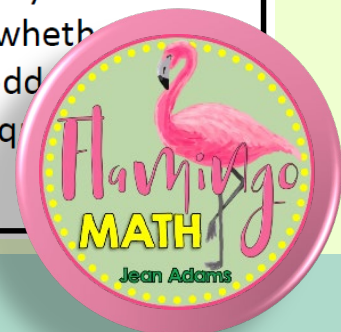
12.

How can you determine if a function has discontinuities by the equation?

5.

Explain the process you would use to determine whether a function is even, odd, or neither given an equation.

Task Cards



17.

How do you find the domain of a composition function $f \circ g$?

18.

What does $(f \circ g)(x)$ mean?

9.

Describe the methods for finding horizontal asymptotes.

10.

Explain the characteristics of functions and their inverses.

19.

What is the horizontal line test and what does it tell you?

20.

How do you operate on a function to cause it to reflect across the y -axis?

11.

Is the inverse of a function also a function? Why or why not?

12.

How can you determine if a function has discontinuities by the equation?

21.

Write a detailed procedure for finding the inverse of a function.

1.

Discuss the differences between a relation and a function.

2.

What is a piecewise-defined function? How do graph these?

14.

Explain how the denominator of a rational function helps to determine the domain. Use the function below as a reference, if needed.

$$f(x) = \frac{x-2}{x^2+x-6}$$

23.

What is the vertical line test and what does it tell you?

3.

What is the End-Behavior of a function? What does it help you determine?

4.

How do you determine whether a function has origin symmetry?

16.

What types of discontinuities can occur in functions?

5.

Explain the process you would

6.

What is boundedness? What does it tell you about a function?

25.

What is the leading coefficient test? Explain the details.

26.

If $y = a f(x)$ Explain all of the changes to the shape of a graph by changing the factor a .

27.

Explain the differences in $y = f(-x)$ and $y = -f(x)$.

28.

Given $y = f(x+h) - k$, Explain the transformations from the parent function. $y = f(x)$

8.

What are the characteristics of a function that is one-to-one?

29.

30.

31.

32.

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