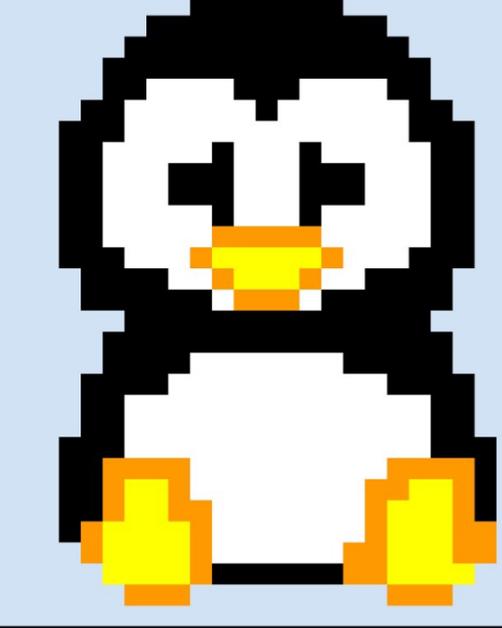


keep scrolling to get
a sneak peek!

Help your students practice
**evaluating functions in
function notation.** Students will
be eager to get the self-
checking benefits from this
digital pixel art activity!

EVALUATING FUNCTIONS

#	Question	Answer	Directions: Evaluate each function with the given value. Answer each question correctly and pixels will appear to reveal a picture!
1	$f(x) = 3x + 8$ $f(-1) = ?$		
2	$g(x) = x^2 - 4$ $g(4) = ?$		
3	$h(x) = \frac{x-4}{x+2}$ $h(8) = ?$		
4	$m(x) = 2x^2 + 3x - 5$ $m(-2) = ?$		
5	$k(x) = -x^2 + 4x$ $k(3) = ?$		
6	$p(x) = \frac{2x+5}{4}$ $p(\frac{3}{2}) = ?$		
7	$w(x) = \sqrt{x^2 - 9}$ $w(-5) = ?$		
8	$d(x) = 2x - 15 $ $d(-2) = ?$		
9	$z(x) = x^2 + 5x - 14$ $z(0) = ?$		
10	$j(x) = \frac{x^2 + 3x - 10}{x - 2}$ $j(1) = ?$		

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Self-Checking

Why do you need this?



It's self-checking! Your students will instantly know if they are correct or not.



Help your students practice this essential math skill.

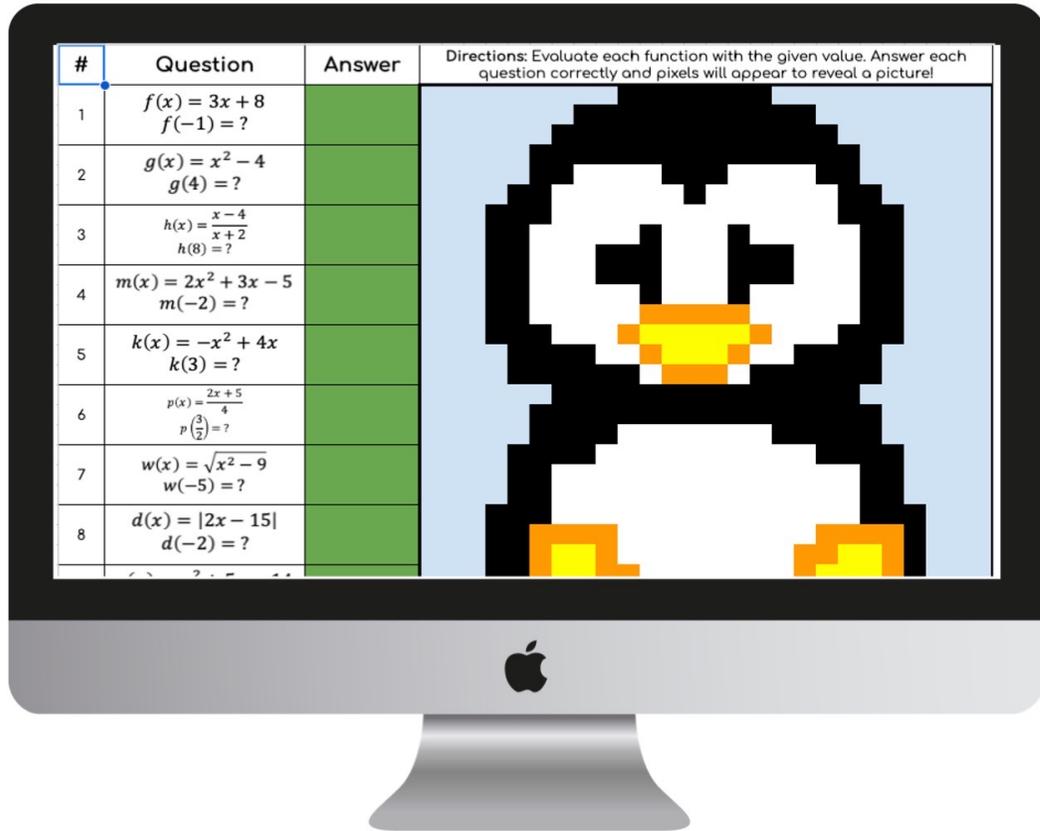


Your students will be so engaged trying to figure out what the picture is!

Evaluating Functions Pixel Art

#	Question	Answer	Directions: Evaluate each function with the given value. Answer each question correctly and pixels will appear to reveal a picture!
1	$f(x) = 3x + 8$ $f(-1) = ?$		
2	$g(x) = x^2 - 4$ $g(4) = ?$		
3	$h(x) = \frac{x-4}{x+2}$ $h(8) = ?$		
4	$m(x) = 2x^2 + 3x - 5$ $m(-2) = ?$		
5	$k(x) = -x^2 + 4x$ $k(3) = ?$		
6	$p(x) = \frac{2x+5}{4}$ $p(\frac{3}{2}) = ?$		
7	$w(x) = \sqrt{x^2 - 9}$ $w(-5) = ?$		
8	$d(x) = 2x - 15 $ $d(-2) = ?$		
	$z(x) = x^2 + 5x - 14$		

Evaluating Functions Pixel Art includes:



- ✓ 10 self-checking problems
- ✓ an answer key
- ✓ a self-checking version
- ✓ an assessment version

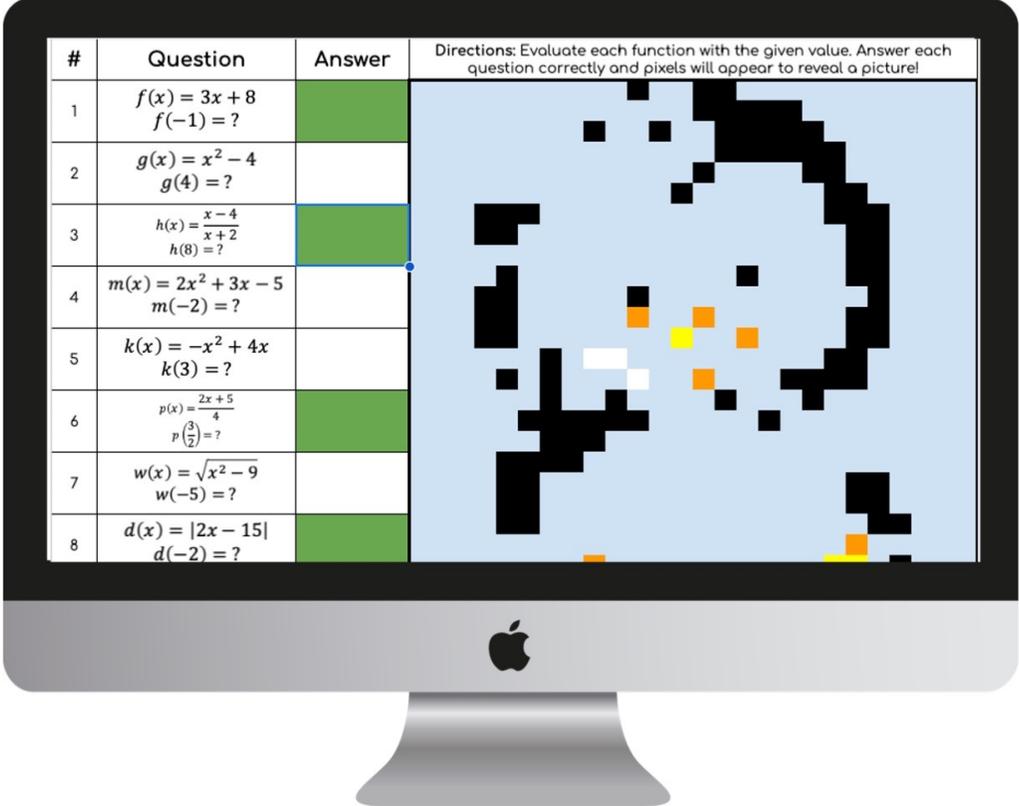
Evaluating Functions Pixel Art

standards covered:

CCSS: HSF-IF.A.2

TEKs: A1.12.B

VA SOLs: F.A.7.e

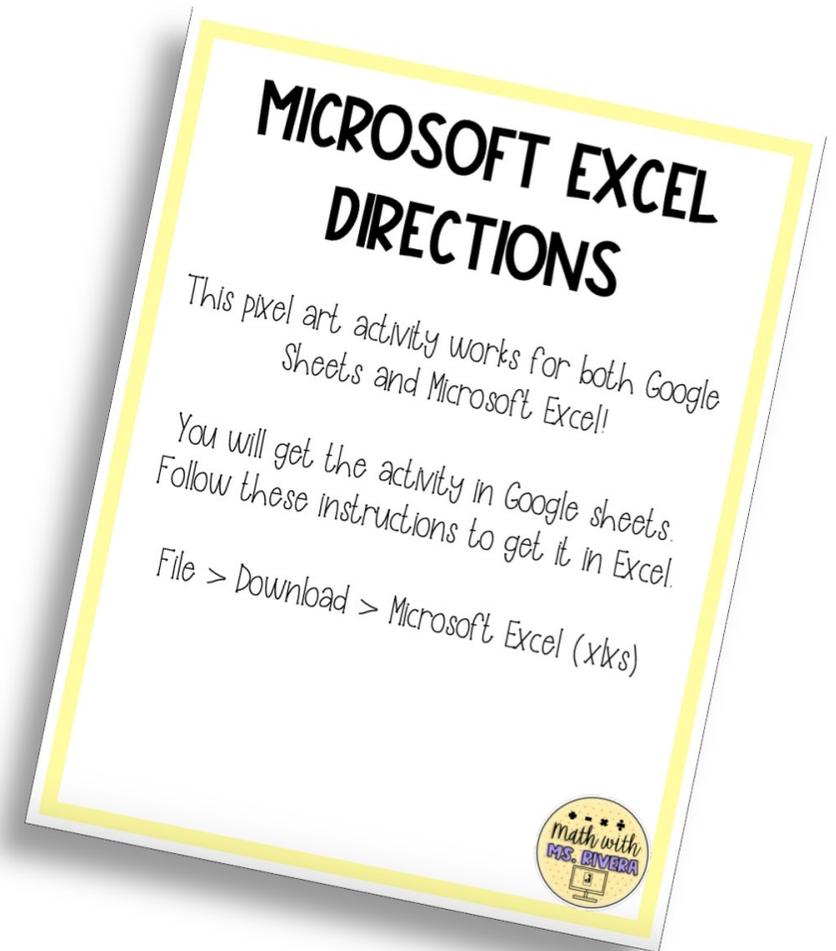


Directions: Evaluate each function with the given value. Answer each question correctly and pixels will appear to reveal a picture!

#	Question	Answer
1	$f(x) = 3x + 8$ $f(-1) = ?$	
2	$g(x) = x^2 - 4$ $g(4) = ?$	
3	$h(x) = \frac{x-4}{x+2}$ $h(8) = ?$	
4	$m(x) = 2x^2 + 3x - 5$ $m(-2) = ?$	
5	$k(x) = -x^2 + 4x$ $k(3) = ?$	
6	$p(x) = \frac{2x+5}{4}$ $p\left(\frac{3}{2}\right) = ?$	
7	$w(x) = \sqrt{x^2 - 9}$ $w(-5) = ?$	
8	$d(x) = 2x - 15 $ $d(-2) = ?$	

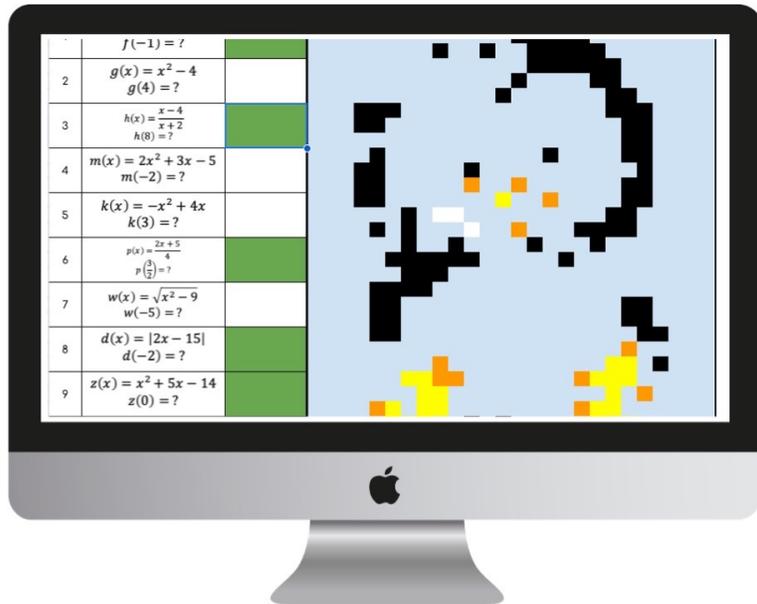
Evaluating Functions Pixel Art

Can be used with Google Sheets
and Microsoft Excel
Directions included!

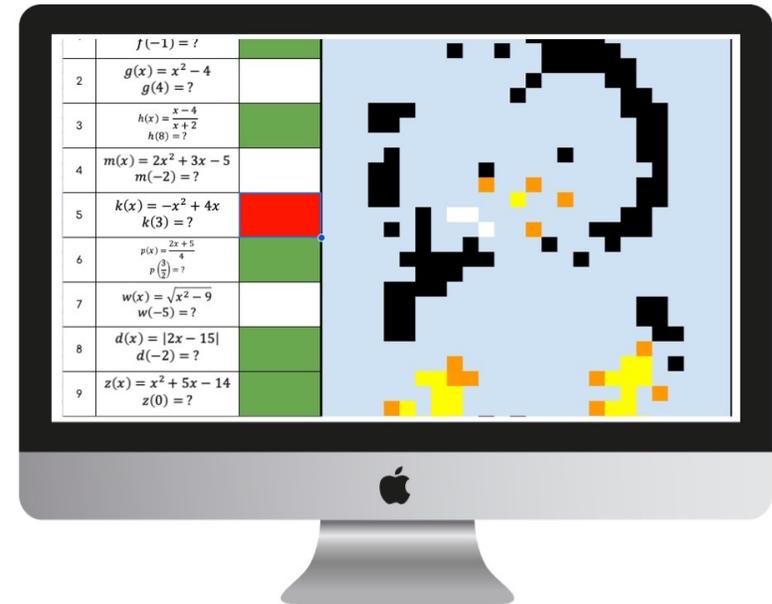


Evaluating Functions Pixel Art

If they answer it correctly, some of the pixels will appear.

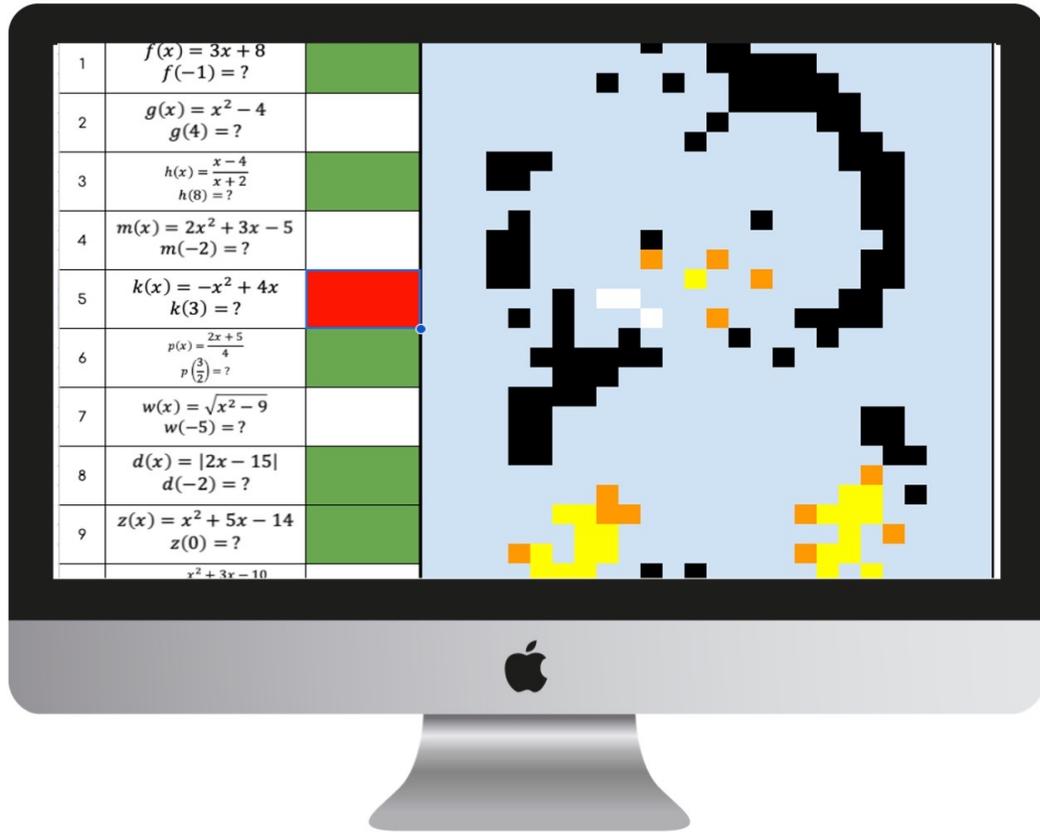


If they answer it incorrectly, the answer box will turn red & no pixels appear.



Your students will *love* trying to figure out what the picture is WHILE doing math!

how to use this resource



This is a great activity to use when reviewing how to evaluate a function in function notation.

It can be used right after teaching the concept or as homework.

This is also a **substitute-friendly** assignment!



hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy this activity too!

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