

keep scrolling to get
a sneak peek!

Help your Algebra 1 students
practice **writing linear
equations in point slope form
given a point and slope.**

Students will be eager to get
the self-checking benefits from
this digital pixel art activity!

WRITING EQUATIONS IN POINT-SLOPE FORM

#	Question	Answer	Directions: Write the equation in point-slope form. Answer each question correctly and pixels will appear to reveal a picture! Do not put spaces in your answer! Ex: $y-3=-1/2(x+3)$
1	$(-5, -2)$ & $m = 4/5$	$y+2=4/5(x+5)$	
2	$(-1, -1)$ & $m = -2$	$y+1=-2(x+1)$	
3	$(-5, -1)$ & $m = -2/5$	$y+1=-2/5(x+5)$	
4	$(-5, 3)$ & $m = -3/5$	$y-3=-3/5(x+5)$	
5	$(-1, 5)$ & $m = -9$	$y-5=-9(x+1)$	
6	$(-3, -4)$ & $m = 8/3$	$y+4=8/3(x+3)$	
7	$(2, -5)$ & $m = 4$	$y+5=4(x-2)$	
8	$(1, 5)$ & $m = 3$	$y-5=3(x-1)$	
9	$(-2, 0)$ & $m = -1/2$	$y=-1/2(x+2)$	
10	$(1, -4)$ & $m = -5$	$y+4=-5(x-1)$	

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Self-Checking

Why do you need this?

Writing Point Slope Form from a Point & Slope Pixel Art



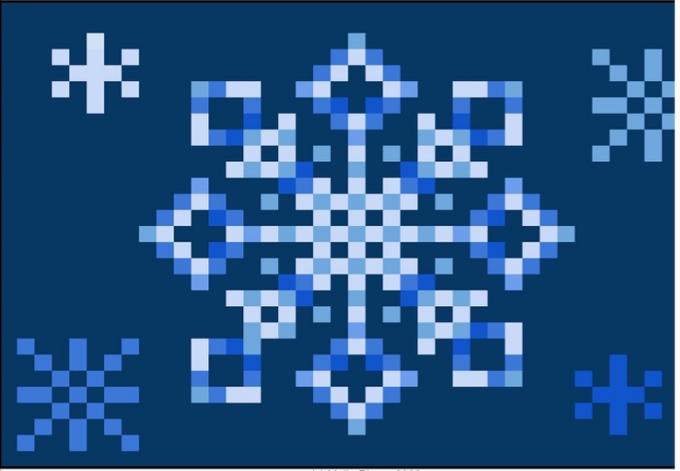
It's self-checking! Your students will instantly know if they are correct or not.



Help your students practice this essential math skill.

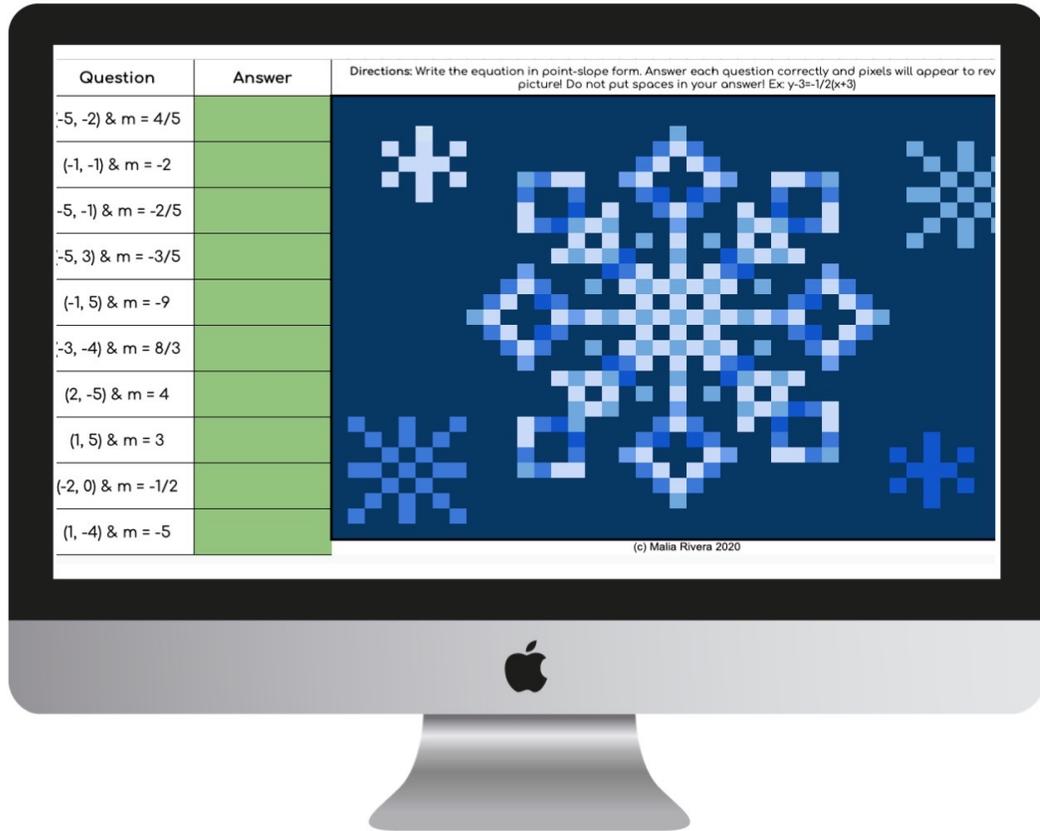


Your students will be so engaged trying to figure out what the picture is!

Question	Answer	Directions: Write the equation in point-slope form. Answer each question correctly and pixels will appear to reveal the picture! Do not put spaces in your answer! Ex: $y-3=-1/2(x+3)$
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$(-1, -1)$ & $m = -2$		
$(5, -1)$ & $m = -2/5$		
$(5, 3)$ & $m = -3/5$		
$(-1, 5)$ & $m = -9$		
$(3, -4)$ & $m = 8/3$		
$(2, -5)$ & $m = 4$		
$(1, 5)$ & $m = 3$		
$(2, 0)$ & $m = -1/2$		
$(1, -4)$ & $m = -5$		

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Writing Point Slope Form Pixel Art includes:



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

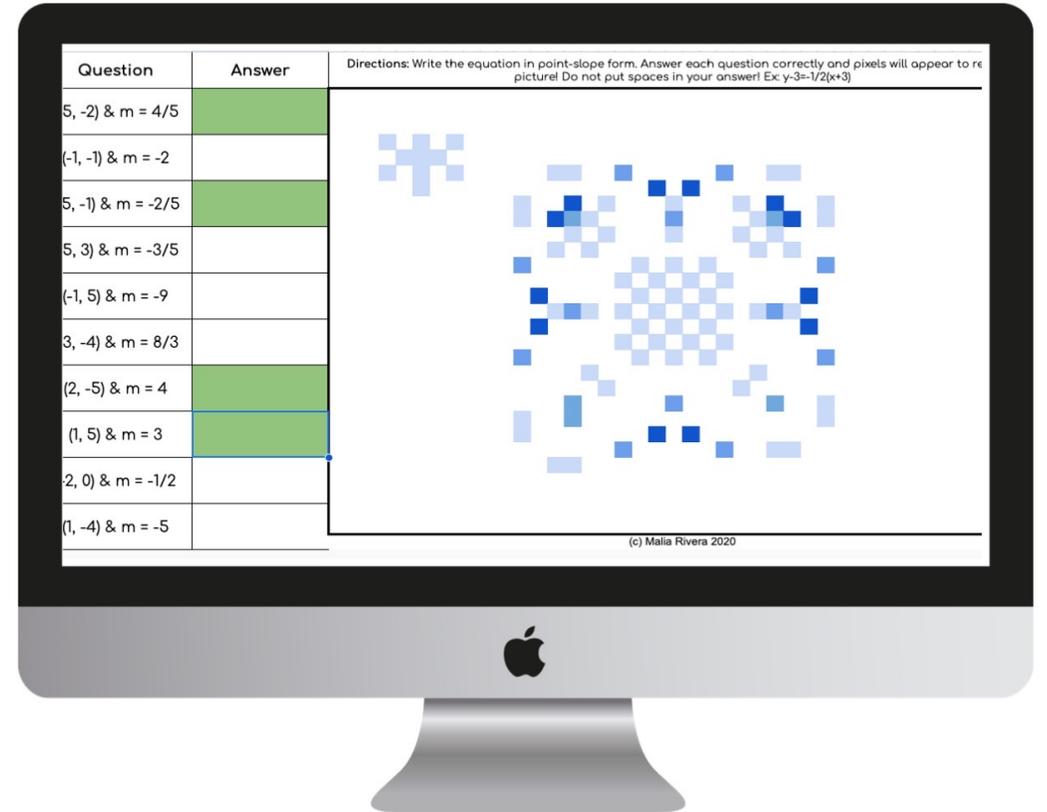
Writing Point Slope Form Pixel Art

standards covered:

CCSS: HSA-CED.A.2

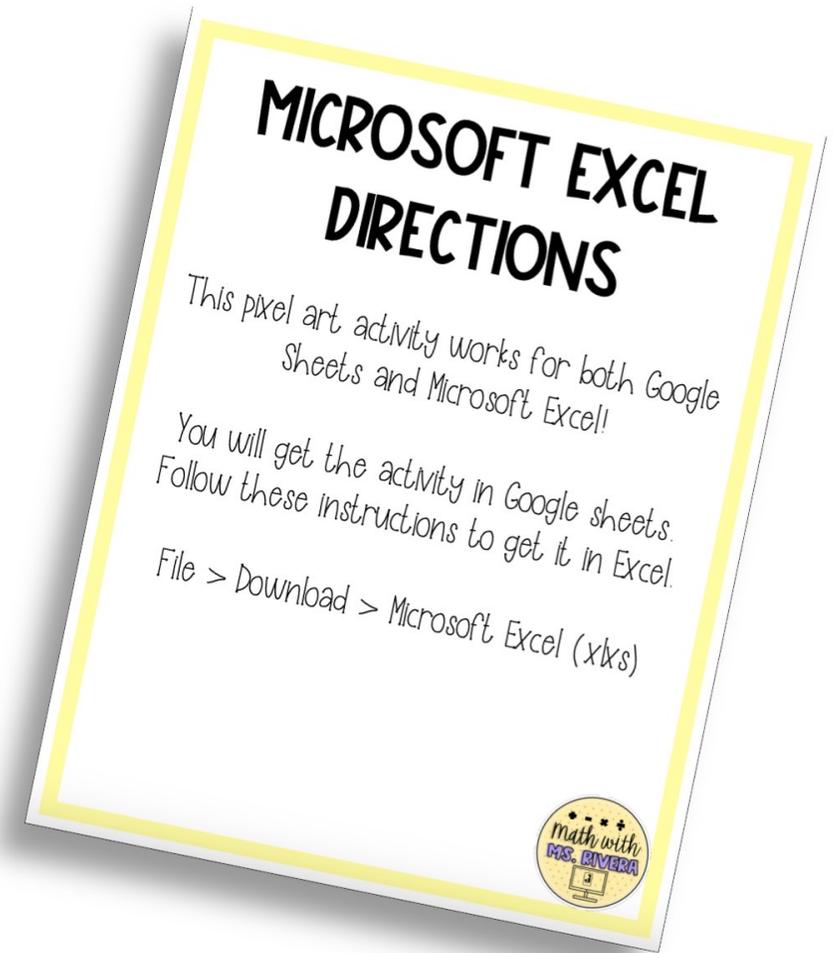
TEKs: A1.2.B

VA SOLs: EI.A.6.b



Writing Point Slope Form Pixel Art

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

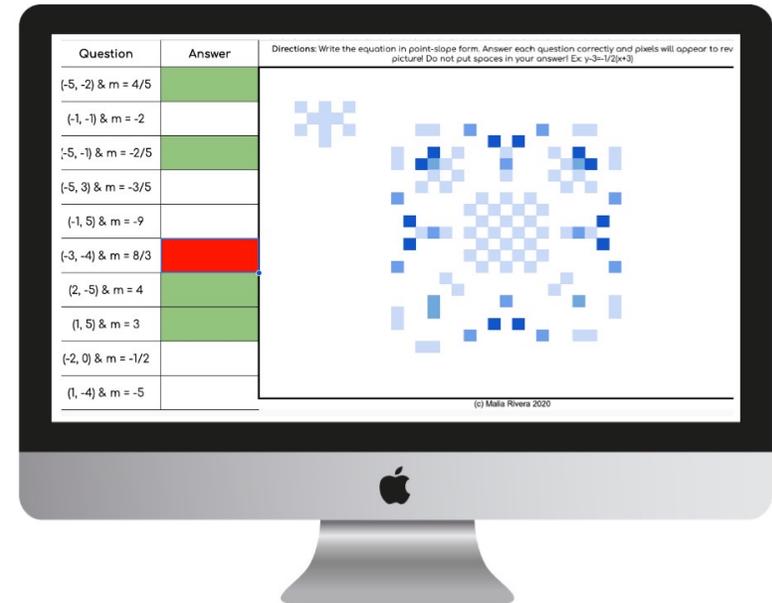


Writing Point Slope Form Pixel Art

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 write linear equations in point slope form given a point and a slope.

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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