

keep scrolling to get
a sneak peek!

Help your Algebra 1 students
practice **writing linear
equations in slope intercept
form given a table of values**
with this task card activity! Your
students are going to love this
football themed, self-checking
activity!

WRITING IN SLOPE INTERCEPT FORM FROM TABLES

12 TASK CARDS

ANSWER KEY

Directions: Write the equation of the line in slope intercept form for each table. Show your work in the boxes.

#1 $m = 3$
 $y\text{-int: } (0, 4)$
 $y = 3x + 4$

#2 $m = 6$
 $y\text{-int: } (0, 12)$
 $y = 6x + 12$

#5 $m = -\frac{3}{2}$
 $y\text{-int: } (0, \frac{3}{2})$
 $y = -\frac{3}{2}x + \frac{3}{2}$

#6 $m = -3$
 $y\text{-int: } (0, 18)$
 $y = -3x + 18$

#10 $m = \frac{5}{4}$
 $y\text{-int: } (0, -3)$
 $y = \frac{5}{4}x - 3$

#11 $m =$
 $y\text{-int: } (0, 2)$
 $y = \frac{3}{2}x + 2$

#12 $m = \frac{4}{5}$
 $y\text{-int: } (0, -3)$
 $y = \frac{4}{5}x - 3$

Write the equation of the line in slope intercept form from the table.

x	y
0	4
1	7
2	10

Write the equation of the line in slope intercept form from the table.

x	y
2	5
4	8
6	11
8	14

Math with Ms. Rivera

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Answers printed on the back!

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Why do you need this?



Task cards are an effective, low-prep way to create engaging and interactive learning experience



Task cards are very versatile because they cater to a wide range of student needs

Slope Intercept Form from a Table Task Cards

Name: _____ Date: _____

WRITING LINEAR EQUATIONS IN SLOPE INTERCEPT FORM FROM TABLES TASK CARDS RECORDING SHEET

Directions: Write the equation of the line in slope intercept form for each table. Show your work in the boxes below.

#1	#2	#3	#4
#5	#6	#7	
		#11	

Task Card #1

Write the equation of the line in slope intercept form from the table.

x	y
2	5
4	8
6	11
8	14

Task Card #3

Write the equation of the line in slope intercept form from the table.

x	y
-1	-4
0	0
1	4
2	8

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Slope Intercept Form from a Table Task Cards *includes:*

Write the equation of the line in slope intercept form from the table.

x	y
4	10
6	15
8	20
10	25

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Front with question

Print with answer on back

$y = \frac{5}{2}x$

x	y
4	10
6	15
8	20
10	25

- ✓ set of 12 task cards
- ✓ a recording sheet for students to show their work
- ✓ a detailed answer key
- ✓ Printing tips to print the answers on the back of the corresponding question cards

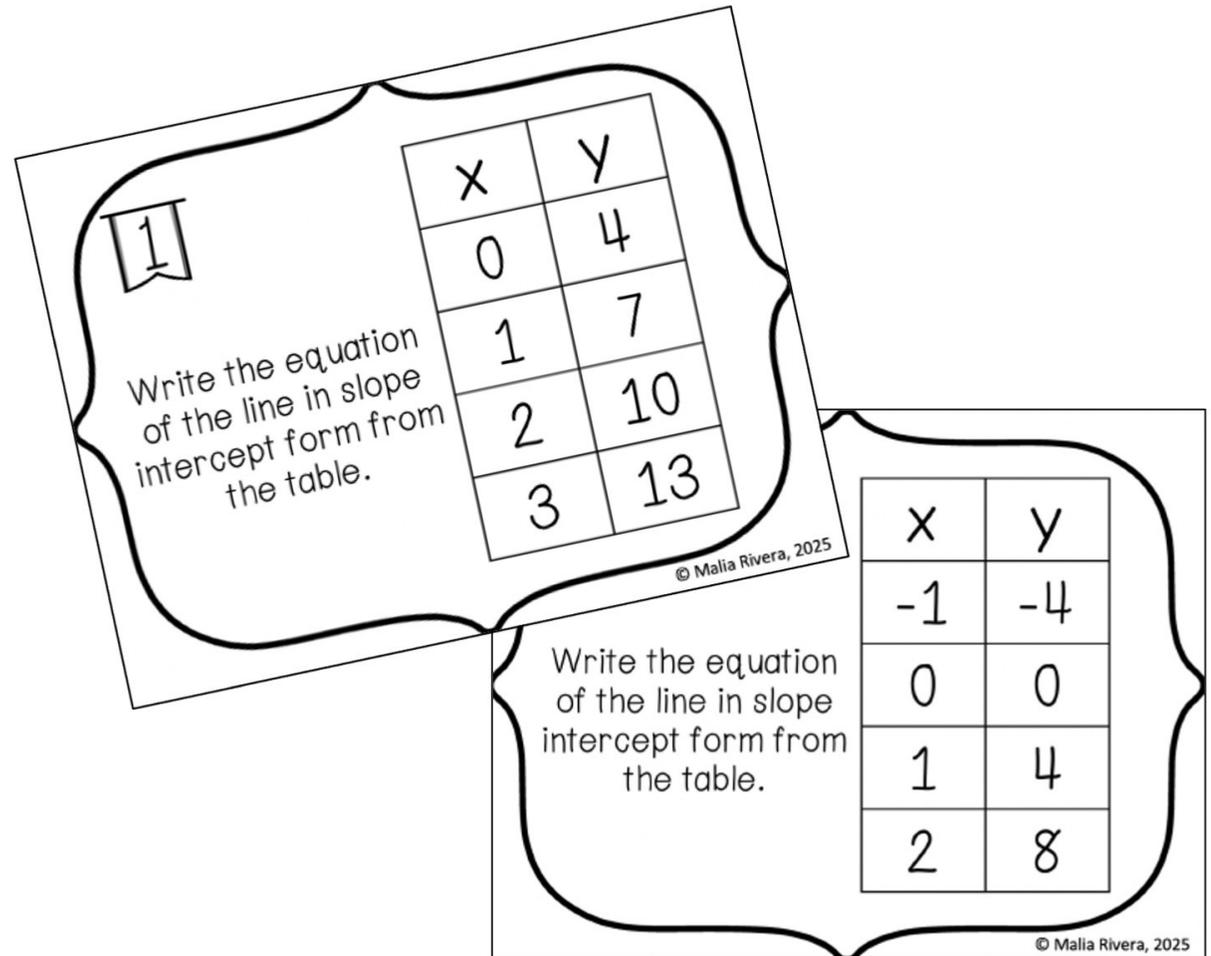
Slope Intercept Form from a Table Task Cards

standards covered:

CCSS: 8.F.B.4, HSF-BF.A.1

TEKs: 8.5.1

VA SOLs: PFA.8.16.b



how to use this resource

This is a great individual practice activity to use when reviewing how to write a linear equations in slope intercept form given a table.

You can also use this in small groups, match centers, or as a scavenger hunt.

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

Name: **ANSWER KEY** Date: _____

WRITING LINEAR EQUATIONS IN SLOPE INTERCEPT FORM FROM TABLES TASK CARDS RECORDING SHEET

Directions: Write the equation of the line in slope intercept form for each table. Show your work in the boxes below.

#1 $m = 3$ $y\text{-int: } (0, 4)$ $y = 3x + 4$	#2 $m = 6$ $y\text{-int: } (0, 12)$ $y = 6x + 12$	#3 $m = 4$ $y\text{-int: } (0, 0)$ $y = 4x$	#4 $m = -2$ $y\text{-int: } (0, 1)$ $y = -2x + 1$
#5 $m = -3/2$	#6	#7 $m = 5/2$ $y\text{-int: } (0, 0)$ $y = 5/2 x$	#8 $m = -1/2$ $y\text{-int: } (0, 4)$ $y = -1/2 x + 4$
#11	#12		

TIPS FOR USE

When printing this set of task cards, be sure to select "short-edged binding" when printing on both sides. This will allow the answers to be printing on the back of the corresponding card.

After printing, I highly recommend laminating the task cards to they can be used in the future.

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to can

8

Write the equation of the line in slope intercept form from the table.

x	y
6	1
4	2
2	3
0	4

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You may also enjoy...

SLOPE INTERCEPT FORM FROM TABLES

Question	Answer
-2 -1 0 1 2	
0 6 12 18 24	
0 2 4 6 8	
3 11 19 27 35	
-6 -3 0 3 6	
3 1 -1 -3 -5	
-10 -5 0 5 10	
7 4 1 -2 -5	
-2 -1 0 1 2	
3 6 9 12 15	
-1 0 1 2 3	
6 3 0 -3 -6	
-18 -10 -5 0 5	
6 5 4 3 2	
0 3 6 9 12	
-1 -2 -3 -4 -5	

Directions: Given the table, write the linear equation in slope-intercept form. Write your answers in fractions, if necessary. Do not use spaces in your answer.

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Self-Checking

FINDING SLOPE FROM TABLES

Calculating Slope from Tables

Directions: Look at each table and identify the slope. Type your slope in the answer box. If you are correct, the box will turn green. If you are incorrect, the box will turn red. If you get an undefined slope, type "und".

X	Y
1	5
2	6
4	12
3	15
4	20

X	Y
2	6
4	12
6	18
8	24

X	Y
0	-1
3	-2
6	-3
9	-4

X	Y
-1	-15
0	-9
1	0
2	9

X	Y
-5	-1
0	-1
5	-1
10	-1

X	Y
-4	-1
-7	4
-5	9
-3	14

X	Y
3	6
5	10
7	14
9	18

X	Y
2	-2
2	-3
2	-4
2	-5

X	Y
-5	10
-3	6
-1	2
1	-2

X	Y
9	2
3	-2
-3	-6
-9	-10

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Self-Checking

WRITING IN SLOPE INTERCEPT FORM FROM GRAPHS

12 TASK CARDS

ANSWER KEY

WRITING LINEAR EQUATIONS IN SLOPE INTERCEPT FORM FROM GRAPHS TASK CARD RECORDING SHEET

Directions: Identify the slope, y-intercept and write the equation in slope-intercept form.

1. Slope: **3**
Y-Intercept: **(0, 3)**
Equation: **$y = 3x + 3$**

2. Slope: **1**
Y-Intercept: **(0, 5)**
Equation: **$y = x + 5$**

3. Slope: **-3**
Y-Intercept: **(0, 4)**
Equation: **$y = -3x + 4$**

4. Slope: **-1/4**
Y-Intercept: **(0, 5)**
Equation: **$y = -1/4x + 5$**

5. Slope: **-3/2**
Y-Intercept: **(0, -2)**
Equation: **$y = -3/2x - 2$**

6. Slope: **4**
Y-Intercept: **(0, 5)**
Equation: **$y = 4x + 5$**

7. Slope: **-1**
Y-Intercept: **(0, 4)**
Equation: **$y = -x + 4$**

8. Slope: **1**
Y-Intercept: **(0, 5)**
Equation: **$y = x + 5$**

9. Slope: **3**
Y-Intercept: **(0, 3)**
Equation: **$y = 3x + 3$**

10. Slope: **1**
Y-Intercept: **(0, 5)**
Equation: **$y = x + 5$**

11. Slope: **-3/2**
Y-Intercept: **(0, -2)**
Equation: **$y = -3/2x - 2$**

12. Slope: **-1**
Y-Intercept: **(0, 4)**
Equation: **$y = -x + 4$**

Answers printed on the back!

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check it out!

Answer Key
Name: _____ Date: _____
ADDING & SUBTRACTING RATIONAL EXPRESSIONS
Directions: Add or subtract the rational expressions. Show your work.

Solving Systems of Equations
Date: _____
Solve systems of equations using substitution or elimination. Check your solution.
2. $2x - 6y = -18$
 $x = 3y - 9$
4. $2x + 6y = -1$
 $y = -2x + 3$

Answer Key
Solving Systems of Equations
Date: _____
Solve systems of equations using substitution or elimination. Check your solution.
2. $2x - 6y = -18$
 $x = 3y - 9$
 $2(3y - 9) - 4y = -18$
 $6y - 18 - 4y = -18$
 $-18 = -18$
infinitely many solutions
 $y = 2 + 5$
 $y = 7$
 $(2, 7)$

Multiplying & Dividing Rational Expressions
Date: _____
Directions: Multiply or divide the rational expressions. Show your work.

Rational Expression Operations - Addition & Subtraction
Directions: Answer each question and type the question number with the matching answer in the answer column to the right.

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$-\frac{x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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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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