

keep scrolling to  
get a sneak peek!

Help your Algebra students  
practice writing linear  
equations in **slope intercept  
form from graphs** with this  
task card activity! Your  
students are going to love  
this independent, self-  
checking activity!

# WRITING IN SLOPE INTERCEPT FORM FROM GRAPHS

## 12 Task Cards

The image shows a collection of educational materials. At the top is a recording sheet titled "WRITING LINEAR EQUATIONS IN SLOPE INTERCEPT FORM FROM GRAPHS TASK CARD RECORDING SHEET" with an "ANSWER KEY" section. It contains a grid for recording answers for 12 tasks. Below the recording sheet are several task cards. Each card shows a coordinate plane with a line graphed and asks the student to write the equation in slope-intercept form. Some cards show the answer in red. For example, one card shows a line with a slope of 3 and a y-intercept of (0, 3), with the equation  $y = 3x + 3$  written in red. Another card shows a line with a slope of 1 and a y-intercept of (0, 5), with the equation  $y = x + 5$  written in red. A third card shows a line with a slope of -3 and a y-intercept of (0, 4), with the equation  $y = -3x + 4$  written in red. A fourth card shows a line with a slope of -3/2 and a y-intercept of (0, -2), with the equation  $y = -3/2x - 2$  written in red. A fifth card shows a line with a slope of -1/4 and a y-intercept of (0, 5), with the equation  $y = -1/4x + 5$  written in red. A sixth card shows a line with a slope of 4 and a y-intercept of (0, 5), with the equation  $y = 4x + 5$  written in red. A seventh card shows a line with a slope of -1 and a y-intercept of (0, 5), with the equation  $y = -x + 5$  written in red. The cards also include instructions like "Write the equation of the line in slope-intercept form." and "Directions: Identify the slope, y-intercept and write the equation in slope-intercept form."



Answers printed on the back!

© Malia Rivera, 2025

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

# Writing Slope Intercept Form from Graphs Task Cards

Name: **ANSWER KEY** Date: \_\_\_\_\_

### 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: <b>3</b> Y-Intercept: <b>(0, 3)</b> Equation: <b><math>y = 3x + 3</math></b>	2. Slope: <b>1</b> Y-Intercept: <b>(0, 5)</b> Equation: <b><math>y = x + 5</math></b>	3. Slope: <b>-1</b> Y-Intercept: <b>(0, -4)</b> Equation: _____
4. Slope: <b>-3</b> Y-Intercept: <b>(0, 4)</b> Equation: _____	5. Slope: <b>-3/2</b> Y-Intercept: <b>(0, -2)</b> Equation: <b><math>y = -3/2x - 2</math></b>	6. Slope: _____ Y-Intercept: _____ Equation: _____
7. Slope: <b>4</b> Y-Intercept: <b>(0, 5)</b> Equation: <b><math>y = 4x + 5</math></b>	8. Slope: <b>4</b> Y-Intercept: <b>(0, 5)</b> Equation: <b><math>y = 4x + 5</math></b>	9. Slope: _____ Y-Intercept: _____ Equation: <b><math>y = -x + 5</math></b>
10. Slope: _____ Y-Intercept: _____ Equation: _____	11. Slope: <b>1/3</b> Y-Intercept: <b>(0, 2)</b> Equation: <b><math>y = 1/3x + 2</math></b>	12. Slope: <b>3/2</b> Y-Intercept: <b>(0, -1)</b> Equation: <b><math>y = 3/2x - 1</math></b>

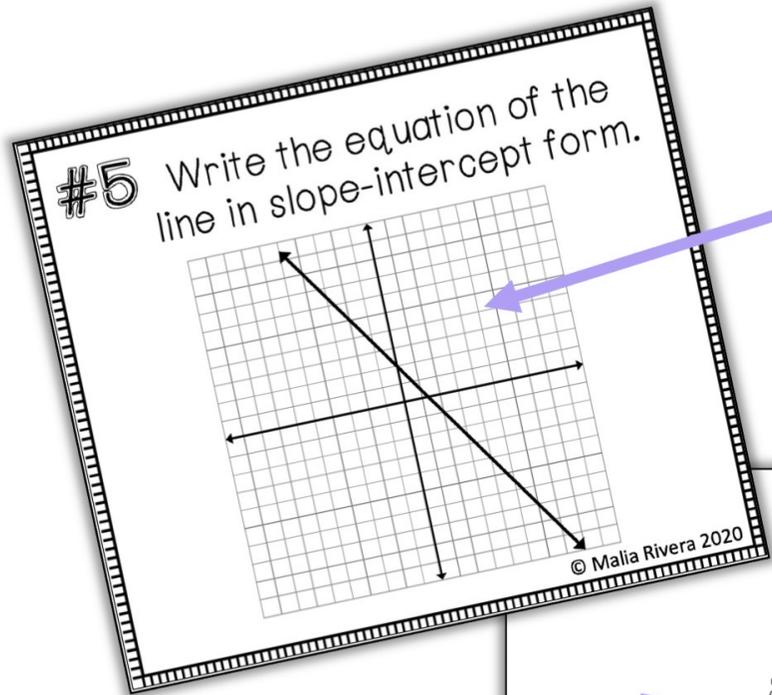
**#5** Write the equation of the line in slope-intercept form.

© Malia Rivera 2020

**#11** Write the equation of the line in slope-intercept form.

© Malia Rivera 2020

# Slope Intercept Form from Graphs Task Cards *includes:*



Front with question

Print with answer on back

$$\#5$$
$$y = -3/2x - 2$$

- ✓ 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

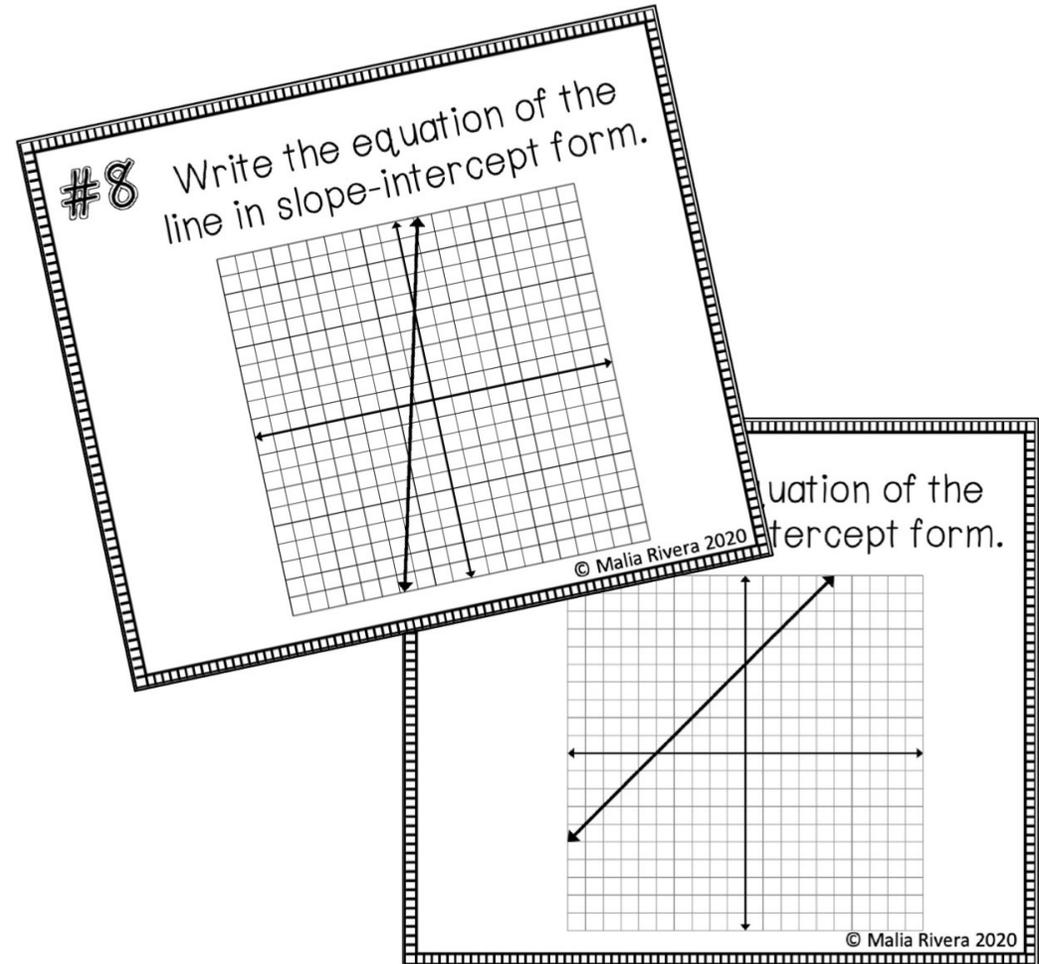
# Slope Intercept Form from Graphs Task Cards

standards covered:

**CCSS:** 8.EE.B.6, HSA-CED.A.2

**TEKs:** A1.2.B

**VA SOLs:** EI.A.6.b



# how to use this resource

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**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.

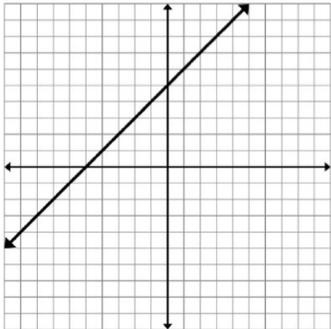
1. Slope: _____ Y-Intercept: _____ Equation: _____	2. Slope: _____ Y-Intercept: _____ Equation: _____	3. Slope: _____ Y-Intercept: _____ Equation: _____
4.		6. Slope: _____ Y-Intercept: _____

## 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 the can be used in the future.

**#2** Write the equation of the line in slope-intercept form.



© Malia Rivera 2020

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

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

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

You may also enjoy ...

# CHOICE BOARDS BUNDLE

## Writing Linear Functions

Algebra I

© Malia Rivera, 2021

# SLOPE INTERCEPT FORM FROM GRAPHS

## Self-Checking

© Malia Rivera, 2023

# WRITING & GRAPHING LINEAR FUNCTIONS REVIEW

## March Math-ness Stations

4 stations activities + answer keys

© Malia Rivera, 2025



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!

Did you know you could get **FREE** money from TPT??

All you need to do is leave feedback on the product after you purchase. [Click here](#) to leave reviews and earn credits towards your next TPT purchase!

let's connect!



Follow my TPT store



Follow my Instagram



Email me