

keep scrolling to get  
a sneak peek!

Help your PreAlgebra and Algebra 1 students practice **finding slope from two points** with this task card activity! Your students are going to love this self-checking activity!

# FINDING SLOPE FROM 2 POINTS

## 12 TASK CARDS

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

**ANSWER KEY**

Directions: Find the slope given two points. Show your work in the box.

<b>1</b> $(5, 2) + (4, -1)$ $m = \frac{-1-2}{4-5} = \frac{-3}{-1} = 3$ $m = 3$	<b>2</b> $(-2, 3) + (4, 6)$ $m = \frac{6-3}{4+2} = \frac{3}{6} = \frac{1}{2}$ $m = \frac{1}{2}$	<b>3</b> $(-9, 1)$ $m = \frac{1-1}{-9-1} = \frac{0}{-10} = 0$ $m = 0$
<b>5</b> $(-3, -2) + (-3, 6)$ $m = \frac{6+2}{-3+3} = \frac{8}{0} = \text{und}$ $m = \text{undefined}$	<b>6</b> $(1, 3) + (3, -2)$ $m = \frac{-2-3}{3-1} = \frac{-5}{2}$ $m = -\frac{5}{2}$	<b>7</b> $(-3, 1)$ $m = \frac{1-1}{-3-1} = \frac{0}{-4} = 0$ $m = 0$
<b>9</b> $(1, -2) + (3, 3)$ $m = \frac{3+2}{3-1} = \frac{5}{2}$ $m = \frac{5}{2}$	<b>10</b> $(0, 0) + (0, -6)$ $m = \frac{-6-0}{0-0} = \frac{-6}{0} = \text{und}$ $m = \text{undefined}$	<b>11</b> $(-3, 1)$ $m = \frac{1-4}{4+3} = \frac{-3}{7}$ $m = -\frac{3}{7}$
<b>12</b> $(0, -15) + (-2, 2)$ $m = \frac{1+15}{-2-0} = \frac{16}{-2} = -8$ $m = -8$	<b>#1</b> Calculate the slope between the two points. $(5, 2) \& (4, 1)$ $m = \frac{1-2}{4-5} = \frac{-1}{-1} = 1$ $m = 1$	<b>#4</b> Calculate the slope between the two points. $(-10, -2) \& (-8, 8)$ $m = \frac{8+2}{-8+10} = \frac{10}{2} = 5$ $m = 5$
<b>#7</b> Calculate the slope between the two points. $(5, 4) \& (-5, -2)$ $m = \frac{-2-4}{-5-5} = \frac{-6}{-10} = \frac{3}{5}$ $m = \frac{3}{5}$		

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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

# Finding Slope from Two Points Task Cards

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

**CALCULATING SLOPE BETWEEN 2 POINTS TASK CARDS RECORDING SHEET**

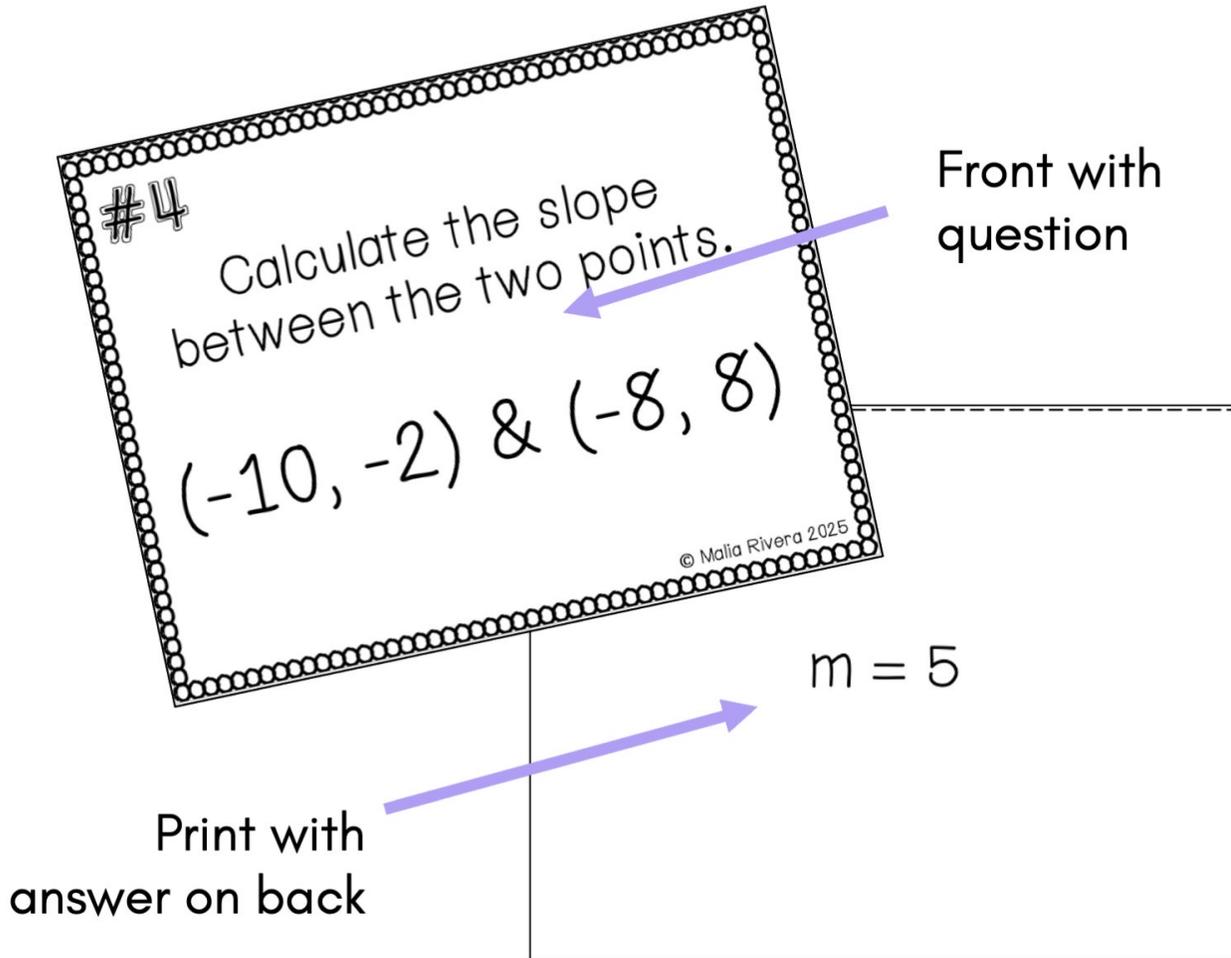
Directions: Find the slope given two points. Show your work in the boxes below.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>11</b>

**#1**  
Calculate the slope between the two points.  
 $(5, 2) & (4, -1)$   
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**#7**  
Calculate the slope between the two points.  
 $(5, 4) & (-5, -2)$   
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# Finding Slope from Two Points Task Cards *includes:*



- ✓ 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

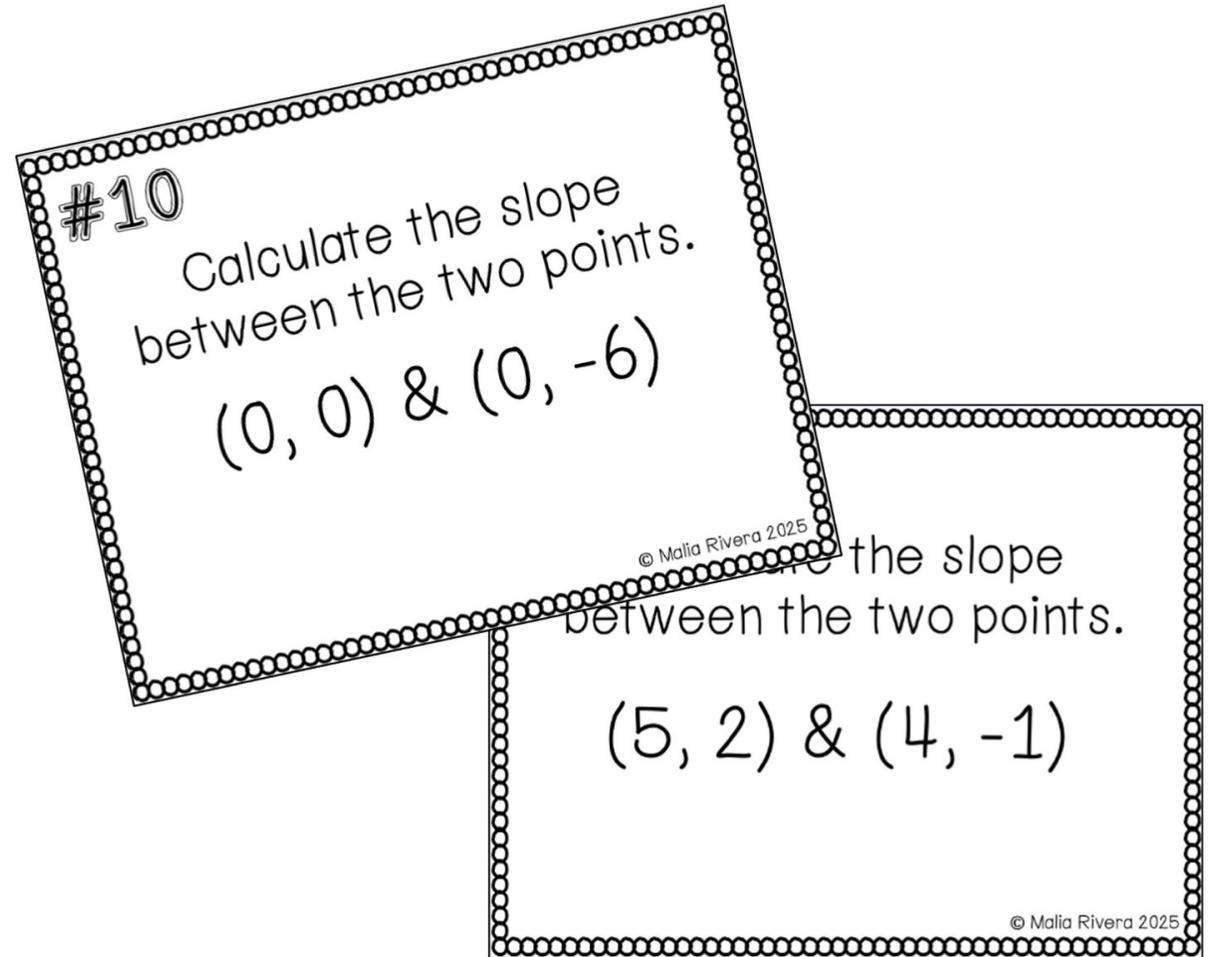
# Finding Slope from Two Points Task Cards

standards covered:

**CCSS:** 8.F.B.4

**TEKs:** 8.4.A, A1.2.G

**VA SOLs:** E1.A.6.a



# how to use this resource

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

**CALCULATING SLOPE BETWEEN 2 POINTS TASK CARDS RECORDING SHEET**

Directions: Find the slope given two points. Show your work in the boxes below.

<b>1</b> (5,2) + (4,-1) $m = \frac{-1-2}{4-5} = \frac{-3}{-1} = 3$ $m=3$	<b>2</b> (-2,3) + (4,6) $m = \frac{6-3}{4+2} = \frac{3}{6} = \frac{1}{2}$ $m=\frac{1}{2}$	<b>3</b> (-9,1) + (1,1) $m = \frac{1-1}{1+9} = \frac{0}{10} = 0$ $m=0$	<b>4</b> (-10,-2) + (-8,8) $m = \frac{8+2}{-8+10} = \frac{10}{2} = 5$ $m=5$
<b>5</b> (-3,-2) + (-2,-2)	<b>6</b> (2,-1) + (1,1)	<b>7</b> (5,4) + (-5,-2) $m = \frac{-2-4}{-5-5} = \frac{-6}{-10} = \frac{3}{5}$ $m=\frac{3}{5}$	<b>8</b> (8,1) + (-4,7) $m = \frac{7-1}{-4-8} = \frac{6}{-12} = -\frac{1}{2}$ $m=-\frac{1}{2}$
<b>9</b> (2,-1) + (1,1)	<b>10</b> (2,-5) + (-3,1)	<b>#7</b> Calculate the slope between the two points.  (5, 4) & (-5, -2)	

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## 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.

their work on  
to can

This is a great individual practice activity to use when reviewing how to find the slope between two points.

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...

## CALCULATING SLOPE FROM TWO POINTS

Directions: Calculate the slope for each set of points. Leave your answer as a fraction, if necessary. If you get the answer correct, the box next to it will turn green. If you answer the question incorrectly, it will turn red.

Q#	Points	Slope	Q#	Points	Slope	Q#	Points	Slope
1	(3, 20) & (9, 8)		4	(7, -12) & (1, 3)		7	(0, 3) & (-7, -2)	
2	(9, 17) & (7, -7)		5	(-2, 8) & (-4, -20)		8	(13, -9) & (-11, -7)	
3	(19, 11) & (-12, 11)		6	(-4, -2) & (-4, 3)		9	(9, -8) & (5, 16)	

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Self-Checking

## FINDING SLOPE

Digital & Print Activity Pack

10 Activities

Identifying Slope from Tables

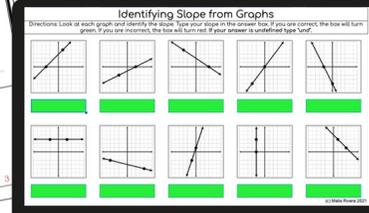
Directions: Identify each slope from the given table. Write your answer in the space provided.

x	y
1	3
4	6
7	9
10	12

m =  $\frac{3}{3}$

x	y
-1	-1
2	15
5	23
8	30

m =  $\frac{4}{3}$



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## FINDING SLOPE FROM GRAPHS

Worksheet

Identifying Slope from Graphs

Directions: Identify the slope of each graph. Write the slope of the graph in the space provided.

#	Slope (m)
#1	
#2	$m = \frac{3}{4}$
#3	$m = \frac{3}{4}$
#4	
#5	$m = 3$
#6	
#7	$m = \frac{1}{2}$
#8	

ANSWER KEY

Answer key included

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# Free Algebra Activities!

When you join my email list, I'll send you a free Algebra print & digital self-checking activities. There is an Algebra 1 and Algebra 2 version!

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check it out!

**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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