

keep scrolling to get
a sneak peek!

Help your Algebra 1 students practice **finding slope given 2 points** on the line. Your students will benefit from being given a fun Thanksgiving themed activity to practice math while they have break on their brain!

FINDING SLOPE FROM 2 POINTS

Thanksgiving Maze Worksheet

The image shows two overlapping worksheets. The left worksheet is titled "FINDING SLOPE FROM 2 POINTS MAZE" and includes a "Name:" field and a "Date:" field. It features a maze with turkey illustrations and boxes containing coordinate pairs and slopes. The right worksheet is titled "FINDING SLOPE FROM 2 POINTS MAZE" and includes a "Name: ANSWER KEY" field. It features the same maze with the correct paths highlighted in red. A logo for "Math with Ms. Rivera" is visible in the bottom left corner of the worksheets.

Recording sheet & Detailed Answer Key

© Malia Rivera, 2025

Why do you need this?



Providing feedback with self-checking activities will engage students to keep practicing!



Incorporate a Thanksgiving themed activity with your students WHILE mastering key Algebraic skills!

Slope from 2 Points Thanksgiving Maze

FINDING SLOPE FROM 2 POINTS MAZE
Name: _____ Date: _____
Directions: Answer the question in the box that says "start". The answer will lead you to the next question. Keep answering the questions until you reach the "finish" box. If you don't see your answer, try again!

ANSWER KEY
Name: _____ Date: _____
Directions: Answer the question in the box that says "start". The answer will lead you to the next question. Keep answering the questions until you reach the "finish" box. If you don't see your answer, try again!

The mazes consist of a grid of boxes, each containing a pair of points and a slope value. The path is determined by the slope values. In the answer key, the correct path is highlighted in red, starting from the "Start" box at $(1, 2)$ & $(4, 6)$ with a slope of $4/3$, leading to $(-1, -3)$ & $(-1, 5)$ with a slope of 0 , then to $(0, 0)$ & $(3, -3)$ with a slope of -1 , then to $(5, 2)$ & $(1, 4)$ with a slope of -2 , then to $(-2, 5)$ & $(2, 3)$ with a slope of $-1/2$, then to $(-1, 4)$ & $(2, -2)$ with a slope of 2 , and finally to $(0, -1)$ & $(3, -3)$ with a slope of -1 .

Slope from 2 Points Thanksgiving Maze

skills used:

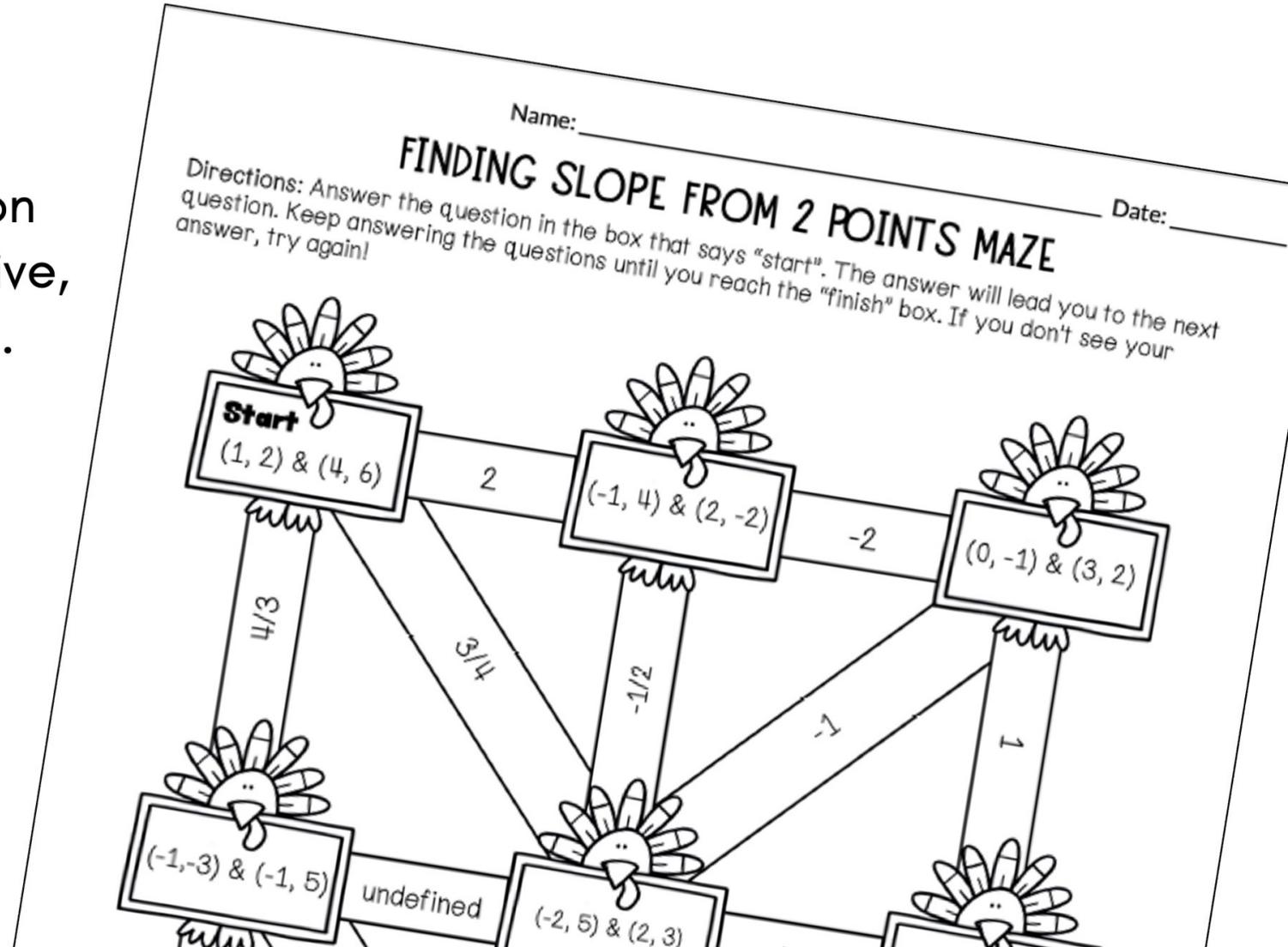
Finding the slope given 2 points on the line. Including positive, negative, zero & undefined slopes included.

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

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

My favorite ways to use this maze worksheet is as a review station in November.

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

Name: **ANSWER KEY** Date: _____

FINDING SLOPE FROM 2 POINTS MAZE RECORDING SHEET

1. $(1, 2) + (4, 6)$ $m = \frac{6-2}{4-1} = \frac{4}{3}$ $m = \frac{4}{3}$	2. $(-1, -3) + (-1, 5)$ $m = \frac{5-(-3)}{-1-(-1)} = \frac{5+3}{-1+1} = \frac{8}{0}$ $m = \text{undefined}$
--	--

Name: _____ Date: _____

FINDING SLOPE FROM 2 POINTS MAZE

Directions: Answer the question in the box that says "start". The answer will lead you to the next question. Keep answering the questions until you reach the "finish" box. If you don't see your answer, try again!

3. $(-2, 5) + (2, 3)$
 $m = \frac{3-5}{2-(-2)} = \frac{3-5}{2+2} = -\frac{1}{2}$
 $m = -\frac{1}{2}$

5. $(0, -1) + (3, 2)$
 $m = \frac{2-(-1)}{3-0} = \frac{2+1}{3-0} = 1$
 $m = 1$

You may also enjoy...

FINDING SLOPE FROM 2 POINTS

12 Task cards

ANSWER KEY

1. $(3,2) + (4,-1)$
 $m = \frac{2-(-1)}{3-4} = \frac{3}{-1} = -3$
 $m = 3$

2. $(-2,3) + (4,4)$
 $m = \frac{3-4}{-2-4} = \frac{-1}{-6} = \frac{1}{6}$
 $m = \frac{1}{6}$

3. $(-9,4)$
 $m = \frac{4-4}{-9-9} = \frac{0}{-18} = 0$
 $m = 0$

4. $(-3,-2) + (-3,6)$
 $m = \frac{6-(-2)}{-3-(-3)} = \frac{8}{0} = \text{undefined}$
 $m = \text{undefined}$

5. $(1,3) + (3,-2)$
 $m = \frac{-2-3}{3-1} = \frac{-5}{2} = -\frac{5}{2}$
 $m = -\frac{5}{2}$

6. $(1,-2) + (3,3)$
 $m = \frac{3-(-2)}{3-1} = \frac{5}{2} = \frac{5}{2}$
 $m = \frac{5}{2}$

7. $(5,2) + (4,-5)$
 $m = \frac{-5-2}{4-5} = \frac{-7}{-1} = 7$
 $m = 7$

8. $(-10,-2) + (-8,8)$
 $m = \frac{8-(-2)}{-8-(-10)} = \frac{10}{2} = 5$
 $m = 5$

9. $(-3,-4) + (-3,7)$
 $m = \frac{7-(-4)}{-3-(-3)} = \frac{11}{0} = \text{undefined}$
 $m = \text{undefined}$

10. $(0,0) + (0,-6)$
 $m = \frac{-6-0}{0-0} = \frac{-6}{0} = \text{undefined}$
 $m = \text{undefined}$

11. $(-3,-4) + (-3,7)$
 $m = \frac{7-(-4)}{-3-(-3)} = \frac{11}{0} = \text{undefined}$
 $m = \text{undefined}$

12. $(0,-15) + (-2,-2)$
 $m = \frac{-2-(-15)}{-2-0} = \frac{13}{-2} = -\frac{13}{2}$
 $m = -\frac{13}{2}$

Answers printed on the back!

© Malia Rivera, 2025

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
2	5
3	7
4	9

$m = 2$

Directions: Look at each graph and identify the slope from your graph on the answer key. If you are correct, the box will turn green. If you are incorrect, the box will turn red. If your answer is undefined type 'Sun'.

Math with Ms. Rivera

© Malia Rivera, 2024

FINDING THE MISSING COORDINATE FROM SLOPE

#	Question	Answer
1	$(7, 16) + (x, -12), m = -28$	$x = -10$
2	$(4, x) + (-8, -10), m = -\frac{1}{6}$	$x = -10$
3	$(x, -7) + (-20, -17), m = \frac{5}{3}$	$x = -10$
4	$(0, 6) + (15, x), m = 0$	$x = 6$
5	$(-11, -16) + (x, -20), m = -\frac{1}{7}$	$x = -10$
6	$(2, x) + (9, 5), m = \frac{12}{7}$	$x = -10$
7	$(x, 4) + (17, -3), m = -\frac{7}{8}$	$x = -10$
8	$(-3, 1) + (x, 6), m = -5$	$x = -10$
9	$(-8, -3) + (-6, x), m = -2$	$x = -10$
10	$(5, x) + (3, -5), m = 6$	$x = -10$

Directions: Use the slope formula to find the missing coordinate. Answer each question correctly and pixels will appear to reveal a picture!



Math with Ms. Rivera

Self-Checking

© Malia Rivera, 2024

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!

You'll also be getting exclusive freebies and content to help your Algebra students be successful this school year!

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. $2x - 6y = -18$
 $x = 3y - 9$
 $2(3y - 9) - 6y = -18$
 $6y - 18 - 6y = -18$
 $-18 = -18$
infinitely many solutions

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

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	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

(c) Malia Rivera, 2024



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