

keep scrolling to
get a sneak peek!

If you're looking for a new way to get your students practicing math, this is the resource for you! With this

graphing linear equations collaborative activity, students will graph each linear equation in **slope intercept form** on the light bulb pieces. Assembling all the students' pieces creates one large holiday display on your classroom bulletin board.

GRAPHING SLOPE INTERCEPT FORM

Holiday Lights



student work bulletin board

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why do you need this?

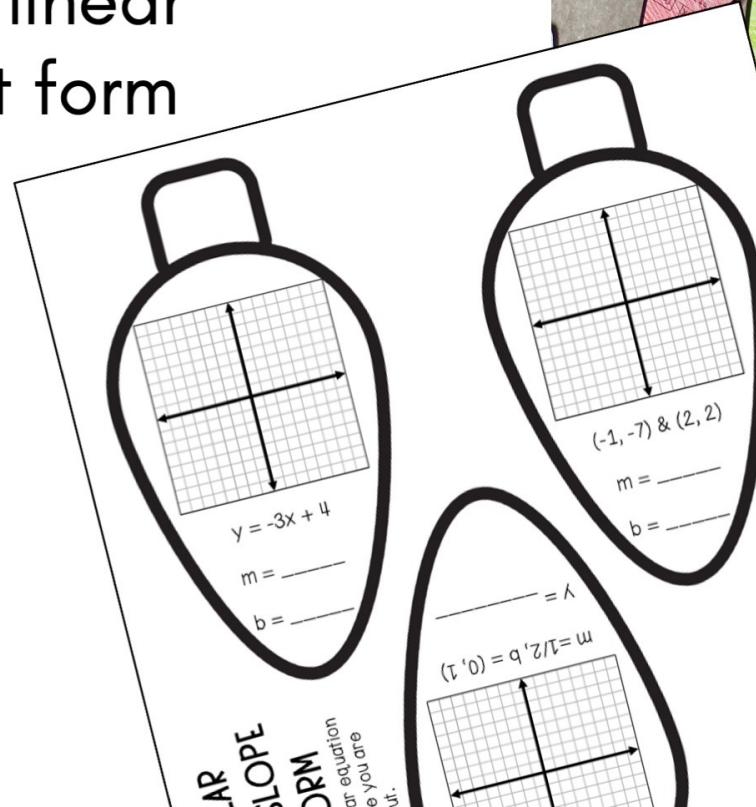
Graphing Slope Intercept Form Holiday Lights Bulletin Board



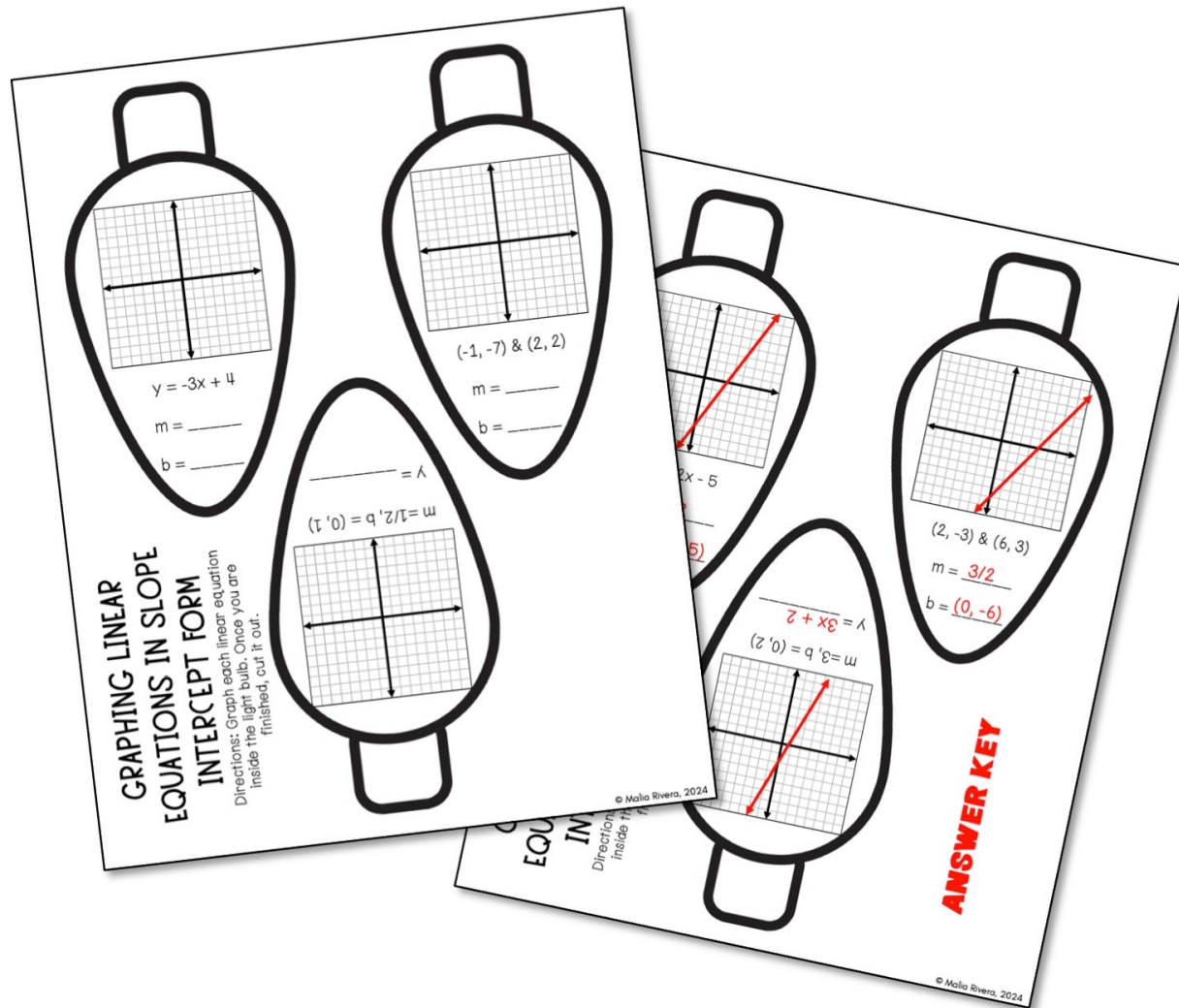
New & engaging way to help students practice graphing linear equations in slope intercept form



Unique, collaborative way to display student work



Graphing Slope Intercept Form Holiday Bulletin Board *includes:*



- ✓ 3 blank tessellation pages per student
- ✓ 9 questions total
- ✓ an answer key
- ✓ teacher instructions

Graphing Slope Intercept Form Holiday Bulletin Board

standards covered:

CCSS: HSA-CED.A.2

TEKs: A1.3.C

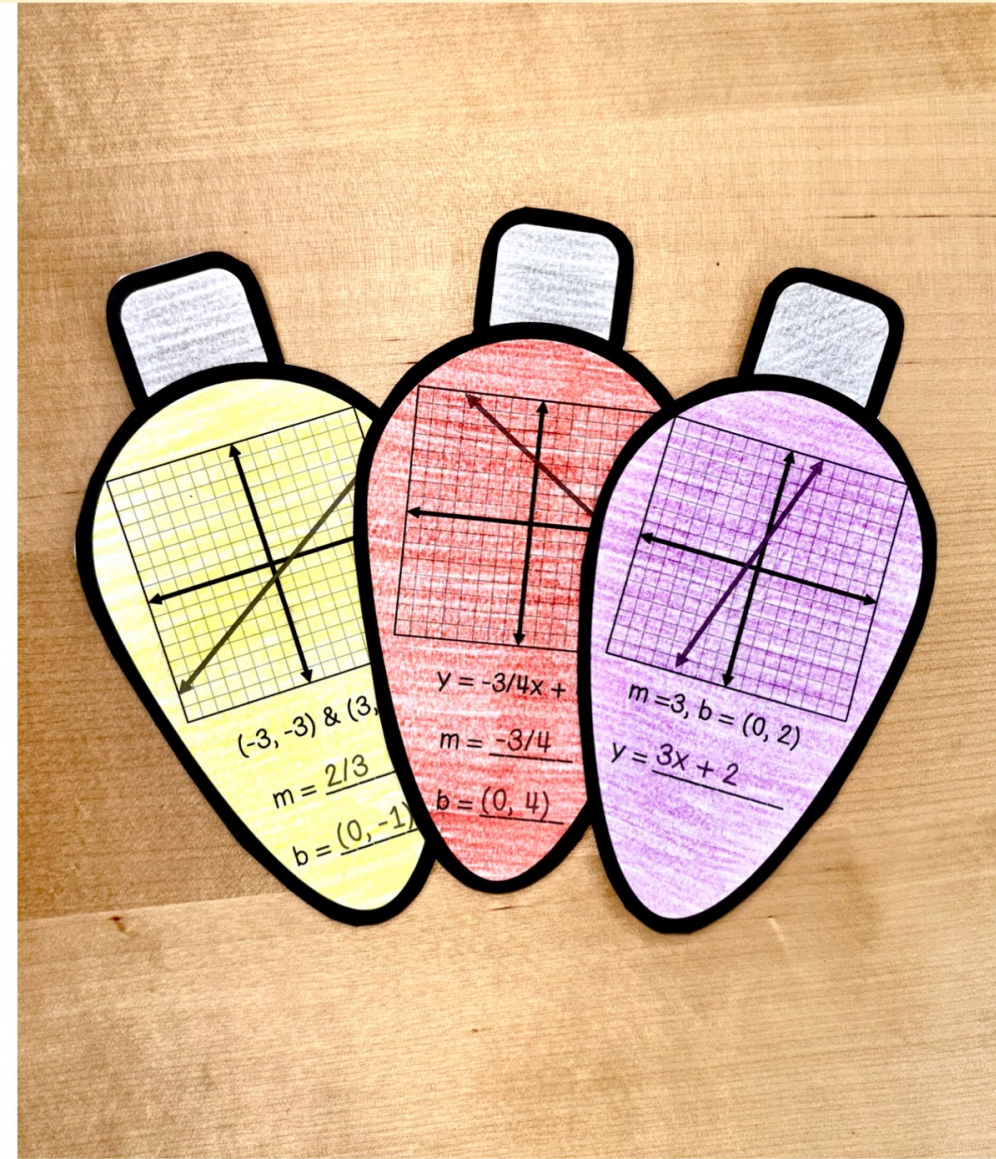
VA SOLs: EI.A.6.c



Graphing Slope Intercept Form Holiday Bulletin Board

skills included:

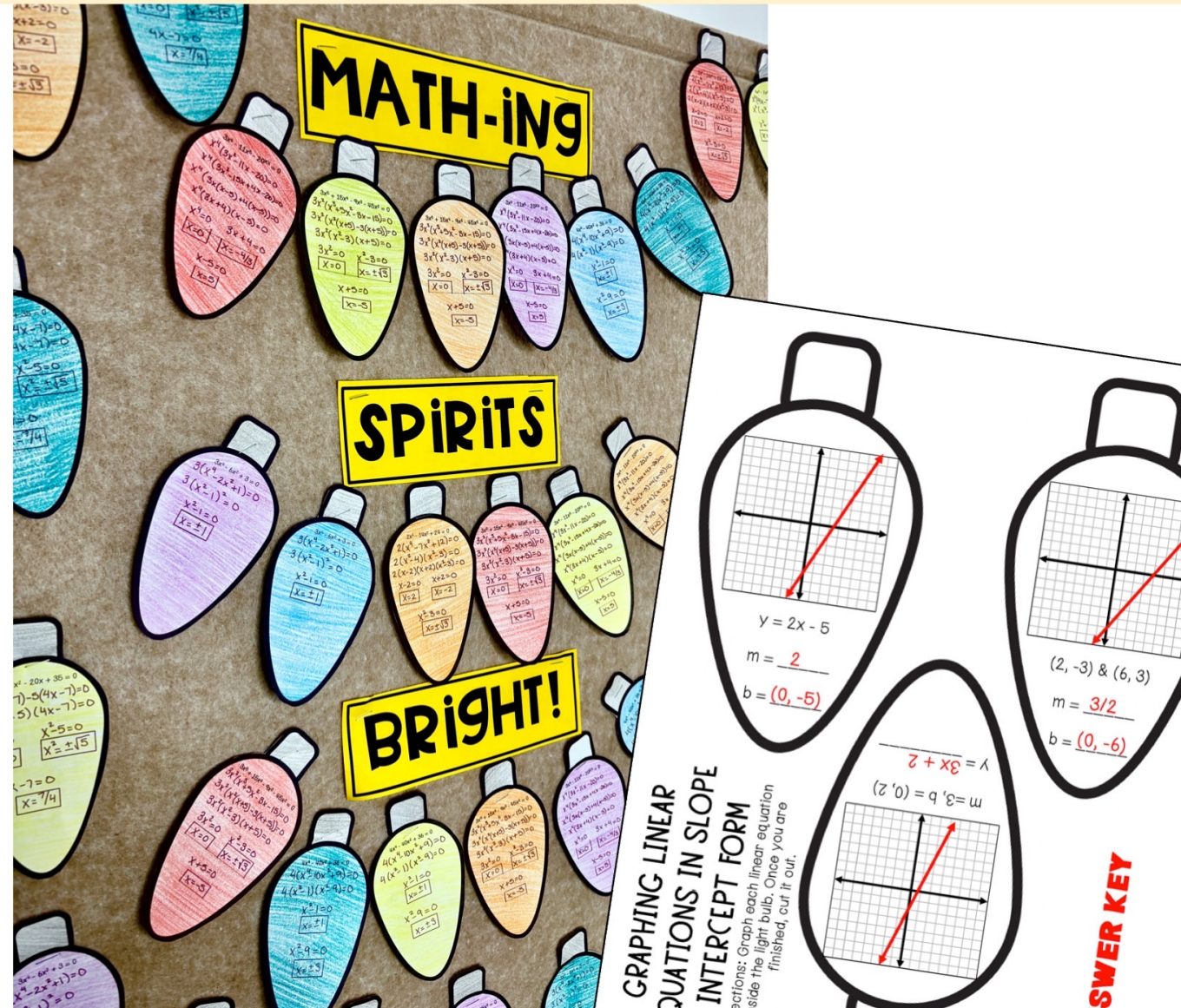
- Graphing given 2 points
- Graphing given an equation
- Graphing given a slope & point
- Positive & negative slopes
- Identifying slope & y-intercept



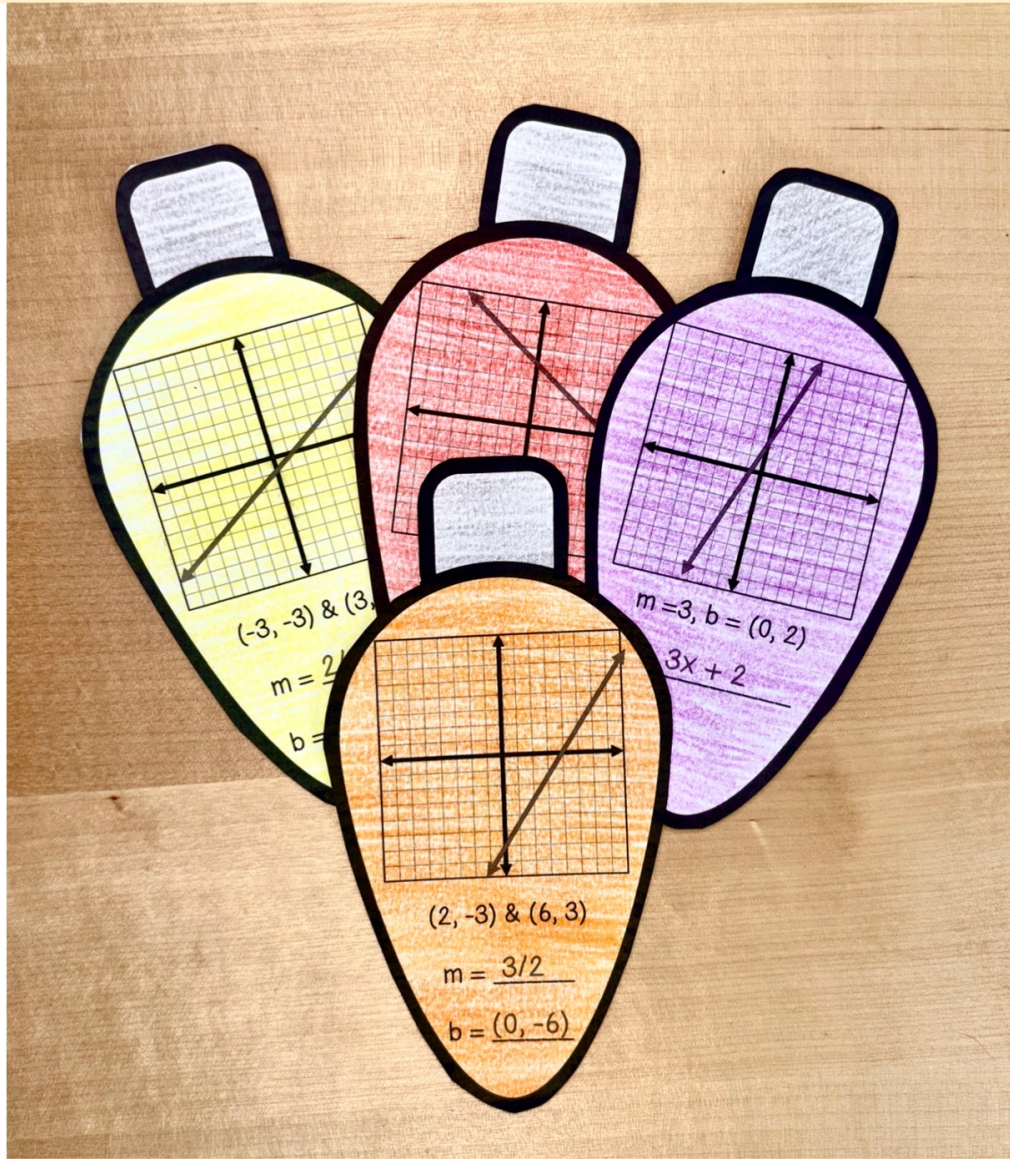
Graphing Slope Intercept Form Holiday Bulletin Board

Once all the student pieces are finished, it will create one large, festive holiday bulletin board display.

Students, Teachers, Staff and Parents will love looking at the display of your students' work on your classroom wall or hallway!



how to use this resource



- Print or make copies – I print on white so my students color it how they want.
- Students will answer the questions on each holiday light.
- Collect all the students' pieces & put it up on the bulletin board to create one big, festive holiday lights design

You may also enjoy ...

GRAPHING SLOPE INTERCEPT FORM

Choice Board

Graphing Slope-Intercept Form
Choose _____ problems from each column. Graph each equation.

ANSWER KEY

Directions: Choose _____ problems from each column.

| | | |
|--|---|--|
| $y = 3x + 4$ m = _____ b = _____ | $y = x - 1$ m = <u>1</u> b = <u>(0, -1)</u> | $y = 3x - 5$ m = <u>3</u> b = <u>(0, -5)</u> |
| $y = 1/3x - 5$ m = _____ b = _____ | $y = 1/2x + 2$ m = <u>1/2</u> b = <u>(0, 2)</u> | $y = 1/3x - 5$ m = _____ b = _____ |

Math with Ms. Rivera

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SLOPE INTERCEPT FORM WORD PROBLEMS

| Question | Slope Intercept Form Equation | Answer (no units) |
|--|-------------------------------|-------------------|
| Ice cream store charges \$2.50 for an ice cream cone and \$0.25 for each topping. If you get 2 toppings on your ice cream, how much would you pay? | | |
| Temperature at 6pm is 54 degrees & expected to drop at a rate of 2 degrees per hour. What should the temperature at 10pm? | | |
| It costs \$3 to rent ice skates and \$15 to skate. If she skates for 2 hours, how much does she pay in total? | | |
| John has a 32 ounce water bottle and fills it at a rate of 4 ounces per second. If it is empty, how many ounces are in his water bottle after 4 seconds? | | |
| A rental company charges \$25.00 to rent a bike and \$0.20 per mile to rent the bike. How much does it cost to rent a bike and ride it for 30 miles? | | |
| Amazon driver has 50 packages to deliver. He delivers 3 packages an hour. How many packages will he have left after 8 hours? | | |
| We started knitting blankets and have made 10. You can knit 2 blankets a day. How many blankets will you have after 30 days? | | |

Math with Ms. Rivera

Self-Checking

GRAPHING IN SLOPE INTERCEPT FORM

Digital & Print Activity Pack

3 Activities

GRAPHING SLOPE INTERCEPT FORM

Directions: Graph the given linear function for the coordinate plane. Label the grid with the slope and y-intercept on the sides of the hexagon. Once you're done, cut out your tessellation piece.

5 Graph the given line on coordinate plane by plotting and writing the slope and line. You can adjust and reset the line to fit your graph.

$y = -3x + 2$

Math with Ms. Rivera

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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.

ANSWER KEY
SOLVING SYSTEMS OF EQUATIONS
Date: _____
Solve systems of equations using substitution or elimination. Check your solution.

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 these too!

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