

keep scrolling to
get a sneak peek!

Help your Algebra students practice solving systems of elimination using the **elimination method** with this task card activity! Your students are going to love this independent, self-checking activity!

SYSTEMS OF EQUATIONS BY ELIMINATION

20 TASK CARDS

Answer Key

SOLVING SYSTEMS OF EQUATIONS BY ELIMINATION TASK CARDS RECORDING SHEET

Directions: Solve each system of equations using the elimination method. Show your work in the space provided.

#7
$$\begin{array}{r} -8y + 6x = 36 \\ 6x - y = 15 \\ -y + 6x = 15 \\ -(-8y + 6x = 36) \\ \hline 7y = -21 \\ \hline y = -3 \\ 6x - (-3) = 15 \\ 6x + 3 = 15 \\ -3 = -3 \\ 6x = 12 \\ \hline x = 2 \end{array}$$
(2, -3)

#8
$$\begin{array}{r} 11y - 3x = 18 \\ -3x = -10y + 33 \\ +10y + 10y \\ \hline 11y - 3x = 33 \\ -(-11y + 3x = 33) \\ \hline 5y = 0 \\ \hline y = 0 \\ 11(0) - 3x = 18 \\ -3x = 18 \\ -3x = -15 \\ \hline x = 5 \end{array}$$
(5, 0)

#9
$$\begin{array}{r} 11y - 3x = 18 \\ -3x = -10y + 33 \\ +10y + 10y \\ \hline 11y - 3x = 33 \\ -(-11y + 3x = 33) \\ \hline 5y = 0 \\ \hline y = 0 \\ 11(0) - 3x = 18 \\ -3x = 18 \\ -3x = -15 \\ \hline x = 5 \end{array}$$
(5, 0)

#10
$$\begin{array}{r} -y = 3x - 9 \\ -3x - 3x \\ -3x - y = -9 \\ -5x + y = -23 \\ \hline -8x = -32 \\ \hline x = 4 \\ -y = 3(4) - 9 \\ -y = 12 - 9 \\ -y = 3 \\ \hline y = -3 \end{array}$$
(4, -3)

#11
$$\begin{array}{r} -2(x + y = 2) \\ -2x - 2y = -4 \\ +7x + 7y = 9 \\ \hline 5y = 5 \\ \hline y = 1 \\ x + 1 = 2 \\ -1 = -1 \\ \hline x = 1 \end{array}$$
(1, 1)

#12
Solve the system of equations using elimination.
$$\begin{array}{r} 8x - 5y = 7 \\ 4x - 3y = 5 \end{array}$$

#4
Solve the system of equations using elimination.
$$\begin{array}{r} 2x + 5y = 12 \\ 5y = 4x + 6 \end{array}$$

#1
Solve the system of equations using elimination.
$$\begin{array}{r} 4x - 3y = 5 \\ -2x + 3y = -7 \end{array}$$

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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

Systems of Equations – Elimination Task Cards

Answer Key

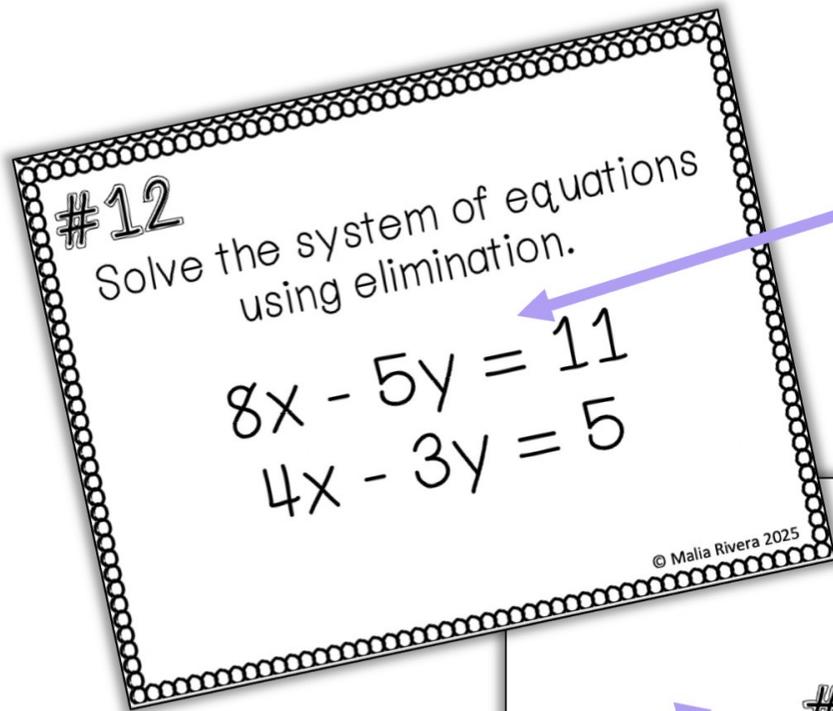
SOLVING SYSTEMS OF EQUATIONS BY ELIMINATION TASK CARDS RECORDING SHEET

Directions: Solve each system of equation using the elimination method. Show your work in the boxes below.

| | | |
|--|--|--|
| <p>#7</p> $\begin{array}{r} -8y + 6x = 36 \\ 6x - y = 15 \\ -y + 6x = 15 \\ -(-8y + 6x = 36) \\ \hline 7y = -21 \\ \hline y = -3 \end{array}$ $\begin{array}{r} 6x - (-3) = 15 \\ 6x + 3 = 15 \\ -3 - 3 \\ \hline 6x = 12 \\ \hline x = 2 \end{array}$ <p>(2, -3)</p> | <p>#8</p> $\begin{array}{r} 11y - 3x = 18 \\ -3x = -16y + 33 \\ +16y + 11y \\ \hline 11y - 3x = 33 \\ -(11y - 3x = 18) \\ \hline 5y = 15 \\ \hline y = 3 \end{array}$ $\begin{array}{r} 11(3) - 3x = 18 \\ 33 - 3x = 18 \\ -33 - 33 \\ \hline -3x = -15 \\ \hline x = 5 \end{array}$ | <p>#9</p> $\begin{array}{r} y = -2x - 13 \\ +2x + 2x \\ \hline 2x + y = -13 \end{array}$ |
| <p>#10</p> $\begin{array}{r} -y = 3x - 9 \\ -3x - 3x \\ -3x - y = -9 \\ -5x + y = -23 \end{array}$ | <p>#11</p> $\begin{array}{r} -2(x + y) = 2 \\ -2x - 2y = -4 \\ +7x + 7y = 9 \\ \hline 5y = 5 \\ \hline y = 1 \end{array}$ $\begin{array}{r} x + 1 = 2 \\ -1 - 1 \\ \hline x = 1 \end{array}$ <p>(1, 1)</p> | <p>#17</p> <p>Solve the system of equations using elimination.</p> $\begin{array}{r} 7x - 6y = -1 \\ 5x - 4y = 1 \end{array}$ $\begin{array}{r} 4x = 8 \\ \hline x = 2 \end{array}$ <p>(2, 1)</p> |

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Systems of Equations - Elimination Task Cards *includes:*



Front with question

Print with answer on back

#12
(2, 1)

- ✓ set of 20 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

System of Equations – Elimination Task Cards

standards covered:

CCSS: 8.EE.C.8

TEKs: A1.5.C

VA SOLs: EI.A.4.d

The image shows two task cards with a decorative dotted border. The top card is tilted and contains the following text:

#1
Solve the system of equations using elimination.

$$4x - 3y = 5$$
$$-2x + 3y = -7$$

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The bottom card is upright and contains the following text:

Solve the system of equations using elimination.

$$-5x + y = -23$$
$$-y = 3x - 9$$

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how to use this resource

Name: _____ Date: _____

SOLVING SYSTEMS OF EQUATIONS BY ELIMINATION TASK CARDS RECORDING SHEET

Directions: Solve each system of equation using the elimination method. Show your work in the boxes below.

| | | |
|----|----|----|
| #1 | #2 | #3 |
| | | #6 |

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.

#17
Solve the system of equations using elimination.

$$7x - 6y = -1$$
$$5x - 4y = 1$$

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This is a great individual practice activity to use when reviewing how solve systems of equations using elimination.

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 ...

SYSTEMS OF EQUATIONS BY ELIMINATION Choice Board

Systems of Equations Choice Board

Name: _____ Date: _____

Directions: Choose _____ problems from each column. Show your work in the boxes.

| | |
|-------------------------------------|-------------------------------------|
| $4x - 6y = 24$ $-4x + 2y = 16$ | $-7x + 11y = 21$ $7x - 11y = 21$ |
| $-2x + 11y = 9$ $-2x - 3y = 23$ | $2x - 11y = 21$ $2x + 11y = 21$ |
| $7x - 4y = -2$ $-11x + 4y = -22$ | $4x - 6y = 24$ $+4x + 2y = 16$ |
| $-5x + 2y = 23$ $-5x - 3y = -22$ | $-2x + 11y = 9$ $-2x - 3y = 23$ |
| $6x + 6y = 24$ | |

ANSWER KEY

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CHOICE BOARDS BUNDLE SYSTEMS OF EQUATIONS

Systems of Equations Choice Board

Name: _____ Date: _____

Directions: Choose _____ problems from each column. Show your work in the boxes.

Algebra I

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SYSTEM OF EQUATIONS COLOR BY NUMBER WORKSHEET

SYSTEMS OF EQUATIONS COLOR BY NUMBER

Name: _____ Date: _____

Directions: Solve each system. Circle the answer from the given choices. Your answers will give you the numbers to color the grid.

| | |
|------------------------------------|------------------------------------|
| 1. $3x + 2y = 8$ $6x + 4y = 4$ | 2. $3x + 2y = 8$ $6x + 4y = 4$ |
| 3. $5x + 2y = 10$ $4x - 3y = 5$ | 4. $2x + y = -11$ $4x - 2y = 6$ |
| 5. $2x + 3y = 10$ $4x - 2y = 6$ | 6. $2x + 3y = 10$ $4x - 2y = 6$ |

Color key: (1, 4) red, (2, 4) yellow, (4, 1) black, no solution light gray, (-1, 4) pink, infinite solutions blue, (1, -4) orange, (2, 0) purple, (-2, 6) black, (-2, -7) dark blue.

ANSWER KEY INCLUDED

Math with Ms. Rivera

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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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