

Name: _____ Hour: _____ Date: _____

NOTES: Section 7.3 – Solving Linear Systems by Elimination

Goals: #1 - I can solve a linear system algebraically using the elimination method and then check my solution algebraically.

Homework: Section 7.3 Worksheet



Warm Up: Solve the linear system by using substitution. Check your answer algebraically.

1. $x + 2y = 1$
 $5x + 3y = -23$

Notes:

There are several ways to solve a linear system _____ using graphs.

Another algebraic method is called _____.

1. **Step 1:**
2. **Step 2:**
3. **Step 3:**
4. **Step 4:**
5. **Step 5:**

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Example #1: Solve the linear system using elimination.

1. $2x - 3y = 4$

$-4x + 5y = -8$

2. $3x + 5y = 6$

$-4x + 2y = 5$

Step #1:

Step #2:

Step #3:

Step #4:

Step #5:

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Example #2: Solve the linear system using elimination.

1. $3x + 2y = 8$

2. $4x + 7y = -9$

$2y = 12 - 5x$

$3x = 3y + 18$

Step #1:

Step #2:

Step #3:

Step #4:

Step #5:

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You practice: Solve the linear system using elimination.

2. $3x + 4y = 6$

$2x - 5y = -19$

2. $-13 = 4x - 3y$

$5x + 2y = 1$

Step #1:

Step #2:

Step #3:

Step #4:

Step #5: