Ch 7.3 ***Elimination*** with Addition and Subtraction

Rules:

1. Write both equations so they are in the same format so x's and y's are in one column.

2. Add up each column and see if a variable will be eliminated, if so solve.

3. If nothing cancels, see if you can subtract each column and get a variable to be eliminated, if so solve.

4. Then substitute that answer into one of the equations to solve for the other variable.

5. Write the answer as an order pair.

6. Check your solution.

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Ex1a) $-x + 2y = -8$
$x + 6y = -16$

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Ex1b) $3x + 2y = 8$
$2y = 12 - 5x$

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Ex1c) $2y = -2 - 2x$
$2x + 3y = 12$

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Grade: «grade»
Subject: «subject»
Date: «date»

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1 **$x - 3y = 0$**
$x + 10y = 13$

#1 is the x coordinate
#2 is the y coordinate

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2

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Grade: «grade»
Subject: «subject»
Date: «date»

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1 $t + r = 1$
$2r - t = 2$

#1 is the r coordinate
#2 is the t coordinate

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2

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Grade: «grade»
Subject: «subject»
Date: «date»

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1 $a - 2b = 4$
$-3a - 2b = -2$

#1 is the x coordinate
#2 is the y coordinate

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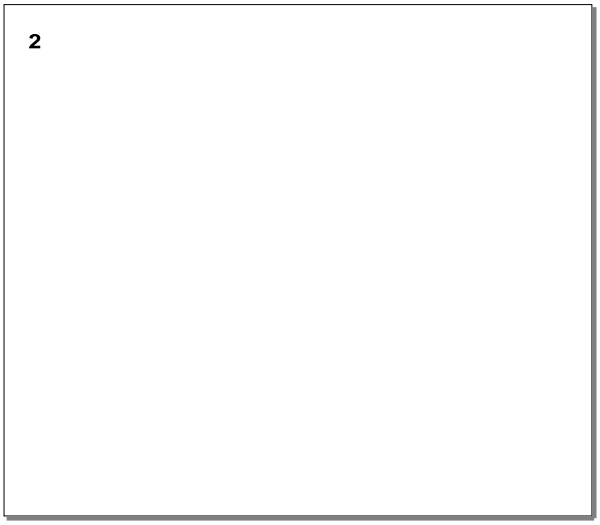

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