Ch 7.2 Substitution Method

How many ways have we learned how to solve a systems of equations? What are the pros and cons of each method?

If a variable is already isolated, I'd use substitution.

Jan 24-12:01 PM

Ex1a) $y = x + 1$

$y = 2x - 1$

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Ex1b) $y = x - 2$

$2x + 2y = 4$

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Ex1c) $x + 4y = 1$

$x - y = -4$

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Untitled

Grade: «grade»

Subject: «subject»

Date: «date»

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1 **2x + 6y = 15**
x = 2y

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

*Enter as a decimal if needed.

CHECK YOUR ANSWER BEFORE ENTERING IT.

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2

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Untitled

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

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1 **3x + y = 5**
y = 2x - 10

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

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2

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Ex2a) The length of a rectangle is 2 more than the width. If the perimeter of the rectangle is 40 ft, what are the dimensions. Write a system to solve.

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Ex2b) Applications:

You have $1500 in your savings account and deposit $25 a week.

Your friend has $500 in their savings account and deposits $50 a week.

Write a system to represent how much money each of you have in your savings account.
Then determine after how many weeks will you have the same amount.

T = total amount of money
W = number of weeks

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- Compared to the methods we've learned before, how do you like this method?
- What are the pros and cons to this method?

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