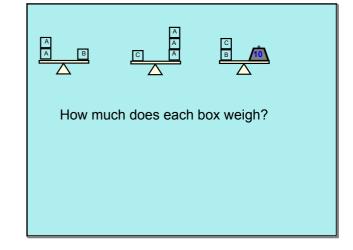
Section 3-5 Systems with 3 Variables

Students will be able to:

- -solve systems in 3 variables using substitution
- -solve systems in 3 variables using elimination



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Solving systems of equations in 3 variables uses the same methods of solving in 2 variables.

- -substitution
- -elimination form 2 separate systems in the same variables.

Graph of solutions-iPad

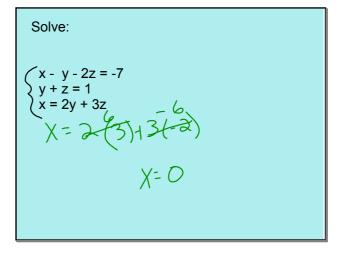
Solving using Elimination:

$$\begin{cases} x - y + z = -1 \\ x + y + 3z = -3 \\ 2x - y + 2z = 0 \end{cases}$$

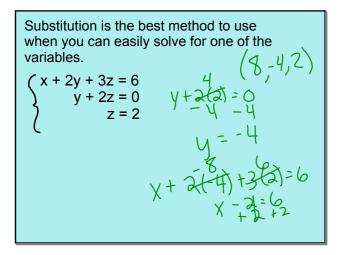
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Solve using Elimination:

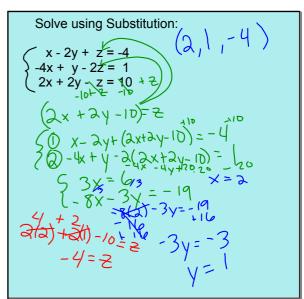
$$\begin{cases} x - 2y + 3z = 12 \\ 2x - y - 2z = 5 \\ 2x + 2y - z = 4 \end{cases}$$



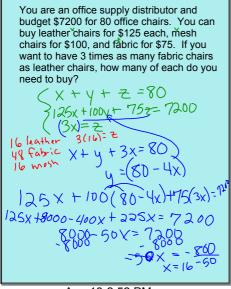
3-5.notebook November 07, 2013



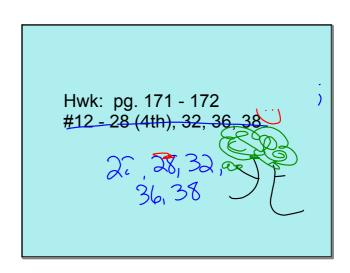
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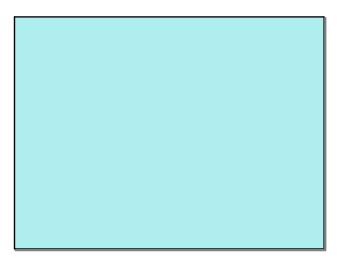


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