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Ckill obooks	
Skill check:	
Solve the	
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Solve the system of linear	
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Solve the system of linear equations by	
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5-2 solving a system of linear equations by substitution:	EQ: How can you solve a system of linear equations? 1.) graphing 2.)
Method 1: Solve for x first. Solve for x in one of the equations. Use the expression for x to find the solution of the system. Explain  Method 2: Solve for y first Solve for y in one of the equations. Use the expression for y to find the solution of the system. Explain	a.) 6x - y = 11 2x + 3y = 7 b.) 2x - 3y = -1 x - y = 1

Follow up questions	S:
1.) What does it mean to so a system of linear equation	
2.) If there were only one li equation with one variable would you be able to solve	,
3.) Can you see a way to unthis system to get an equal with one variable?	

Example 1	
Solving a system of linear equations by substitution	
1.) y = 2x - 4 7x - 2y = 5	
7x - 2y - 5	
Step 1: Equation 1 solved for y (slope int. form)	
Step 2: Substitute 2x - 4 for y in Equation 2	
Step 3: Substitute -1 for x	
in Equation 1 and solve for y	

Practice:	
1.) y = 2x + 3 y = 5x	
2.) $4x + 2y = 0$ y = 1/2x - 5	
3.) $x = 5y + 3$ 2x + 4y = -1	
2x + 4y = -1	

Practice	
Tuotioc	
You sell lemonade	
for \$2 per cup and	
orange juice for \$3	
per cup. You sell	
a total of 100 cups for	
\$240. Write and solve	
a system of linear	
equations to find the	
number of cups	
of lemonade and	
the number of cups	
of orange juice	
you sold.	
you solu.	

What are the two ways we learned to solve a system of linear equations?	Answer EQ
Example:	Solve: