SIDE NOTES	Solving a Linear Equation adapted from 2.3 Lial, Introductory & Intermediate Algebra	
Look both ways before solving!	Step 1	<b>Simplify each side separately.</b> Use the distributive property as needed, and then combine like terms <u>on each individual side.</u>
	Step 2	Isolate the variable term on one side.
		<ol> <li>Add/ subtract variable terms to result in 1 positive variable.</li> <li>(Move the one less in value)</li> </ol>
To get a value to the OPPOSITE side, perform the		2.) Undo Add/ Sub of the constant on the variable side. <u>This is</u> so that the variable term is on one side of the equation and a number is on the other.
OPPOSITE operation		Please note: it is perfectly fine if you get the constants to one side first and then do the variables; doing the variables 1 <sup>st</sup> is just ideal.
	Step 3	<b>Isolate the variable.</b> Undo multiplication/division to get the equation in the form <i>x</i> = a number, or a number = <i>x</i> . (Other letters may be used for the variable.)
	Step 4	<b>Check.</b> Substitute the proposed solution into the <i>original</i>
	SUMMARY/ EXTRA POINTS/ DIAGRAM	

SIDE NOTES	
	1.) Ti
	2.) <b>"I</b> is
	3.) SI
	4.) Pr
	5.) To
	6.) It
	th 7.)
	0.,

Math "Hot Topics" Workshop #1: Solving Linear Equations in 1 Variable

## Useful tips for solving equations successfully!

- 1.) There are two steps to simplifying:
  - A.) Distribute B.) Combine Like terms
- 2.) **"Look BOTH ways before Solving"** You need to 1st make sure that each side is as simplified as possible.
- 3.) Skip lines on your looseleaf and Write BIG
- 4.) Put a vertical line down your paper where the equal sign is, so that you solve correctly.
- 5.) To bring a value to the OPPOSITE side of the equal sign, perform the OPPOSITE operation.
- 6.) It may help to solve by performing the opposite operations underneath the equation, rather than alongside the equation.

SUMMARY/ EXTRA POINTS/ DIAGRAM