

NOTES

Name _____

Date _____

Period _____

Class Notes – 2/1/11

Solving Two-Step Equations

- 1) Same rules as one-step equations
- 2) Whatever you do to one side, do to the other
- 3) You will have 2 operations now
- 4) Always “undo” add or sub 1st
- 5) Then “undo” the mult/div

Example #1

$3x + 4 = 16$	_____→	2 step equation
$3x = 12$	_____→	Subtract 4 from each side (be sure to show the sub from each side)
$x = 4$	_____→	Undo mult by div both sides by 3 (put a box around your answer)

I cannot show you the subtraction from both sides and the division from both sides on this worksheet, but you must show it just like you did in one-step equations.

Example #2

$-2a + 5 = 19$	_____→	2 step equation
$-2a = 14$	_____→	Subtract 5 from each side
$a = -7$	_____→	Undo mult by div both sides by -2

Example #3

$\frac{x}{4} - 19 = 22$	_____→	2 step equation
$\frac{x}{4} = 41$	_____→	Add 19 to both sides
$x = 164$	_____→	Multiply both sides by 4