

3.1 Cont.

Nov. 28, 2006

Solve Lin. Equ.

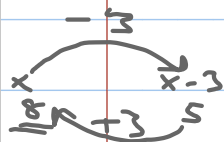
order of operations
inverse operations

trying to get 'x'
the variable by
It self

ex1a $x - 3 = 5$

$+3 \quad +3$

$x = 8$



$8 - 3 \stackrel{?}{=} 5$
 $5 = 5 \checkmark$

ex2a $x + 6 = 2$

$-6 \quad -6$

$x = -4$

$-4 + 6 \stackrel{?}{=} 2$
 $2 = 2 \checkmark$

ex3 | $x - 4 + 2 = 1$

$$\begin{array}{r} x - 4 + 2 = 1 \\ x - 2 = 1 \\ +2 \quad +2 \\ \hline x = 3 \end{array}$$

$$\begin{array}{r} 3 - 4 + 2 \stackrel{?}{=} 1 \\ \hline -1 + 2 \stackrel{?}{=} 1 \\ \hline 1 = 1 \end{array}$$

ex4 | Mr. G's Shortcut

$$\begin{array}{r} x + (+5) = 2 \\ x + 5 = 2 \\ -5 \quad -5 \\ \hline x = -3 \end{array}$$

ex5 |

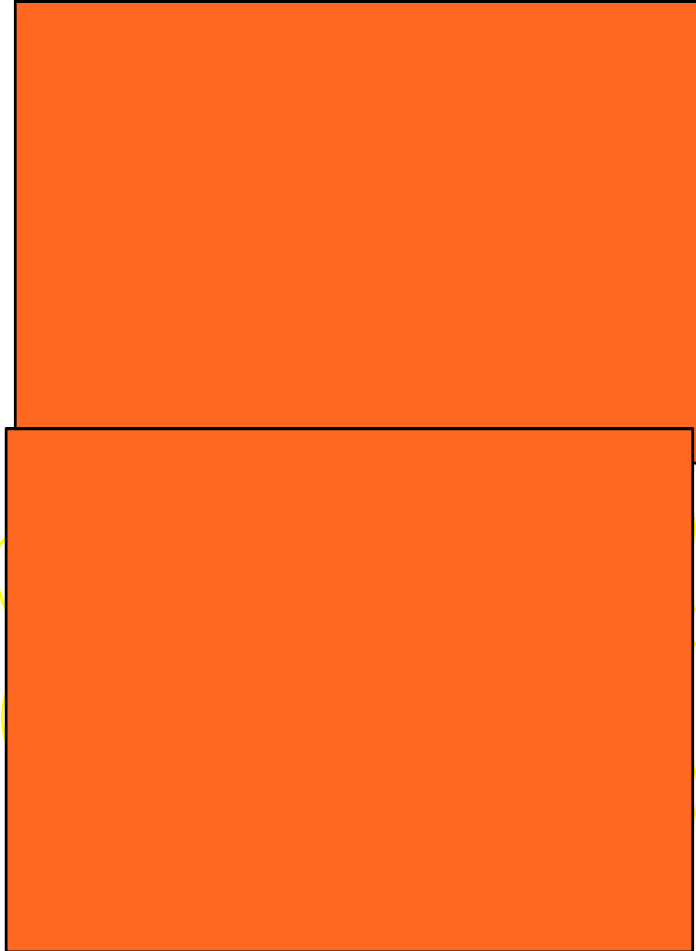
$$\begin{array}{r} 2x + 1 - x + 6 = 3 \\ x - 5 = 3 \\ +5 \quad +5 \\ \hline x = 8 \end{array}$$

$$\begin{array}{r} 2(8) + 1 - (8) - 6 \stackrel{?}{=} 3 \\ 16 + 1 - 8 - 6 \stackrel{?}{=} 3 \\ 12 - 8 - 6 \stackrel{?}{=} 3 \\ 4 - 6 \stackrel{?}{=} 3 \\ -2 \neq 3 \end{array}$$

O.T.L.

① pg 133: Checkpoint

Do 1-6 (a) → To be turned
in today



$$\begin{array}{r} -2 = x - 4 \\ +4 \quad \quad +4 \\ \hline 2 = x \\ \hline \hline \end{array}$$