

Take our ws pg. 40 WORK from Friday.

Write the number of problems you completed at the top  
(out of 14)

Set up another piece of paper with 15 boxes. Leave 8 spaces  
between each box.



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ws 40

$$\begin{array}{r}
 \textcircled{1} \quad 22 - 5(6v - 1) = -63 \\
 \boxed{22} - 30v + \boxed{5} = -63 \\
 \boxed{-30v} + 27 = -63 \\
 \quad \quad \quad -27 \quad \quad \quad -27 \\
 \hline
 -30v = -90 \\
 \quad \quad \quad -30 \quad \quad \quad -30 \\
 \quad \quad \quad v = 3
 \end{array}$$

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Solve equations with variables on both sides of the equation.

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Constant		Variable
$6r + 7$	$=$	$13 + 7r$
$\underline{-6r}$		$\underline{-6r}$
$7$	$=$	$13 + r$
$\underline{-13}$		$\underline{-13}$
$-6$	$=$	$r$

$\checkmark -36 + 7 = 13 + (-42)$   
 $-29 = -29$

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$$-8 - x = x - 4x \quad \text{CLT}$$

$$\begin{array}{r|l} -8 - x & = & x - 4x \\ +x & & +x \\ \hline -8 & = & -3x \end{array} \quad \rightarrow \quad \begin{array}{r|l} -8 - x & = & -3x \\ +x & & +x \\ \hline -8 & = & -2x \\ +4 & & +4 \\ \hline -4 & = & -x \end{array}$$

$$\begin{array}{r|l} -8 & = & -2x \\ +4 & & +4 \\ \hline -4 & = & -x \end{array}$$

$$\begin{array}{r|l} -4 & = & -x \\ +x & & +x \\ \hline -4 & = & 0 \end{array}$$

$$\begin{array}{l} \checkmark -8 + (4) = -4 \\ -12 = -12 \end{array}$$

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ws 42

①

$$4x - 1(9 - 3x) = 8x - 1$$

$$\begin{array}{r|l} 4x - 9 + 3x & = & 8x - 1 \\ 7x - 9 & = & 8x - 1 \\ -7x & & -7x \\ \hline -9 & = & x - 1 \\ +1 & & +1 \\ \hline -8 & = & x \end{array}$$

$$\begin{array}{l} \checkmark -32 - (9 + 24) = -65 \\ -32 - (33) = -65 \\ -65 = -65 \end{array}$$

②

$$-5 - 1(15y - 1) = 2(7y - 16) - y$$

$$\begin{array}{r|l} -5 - 15y + 1 & = & 14y - 32 - y \\ -15y - 4 & = & 13y - 32 \\ +15y & & +15y \\ \hline -4 & = & 28y - 32 \\ +32 & & +32 \\ \hline 28 & = & 28y \\ 28 & & 28 \\ \hline 1 & = & y \end{array}$$

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Homework  
Complete worksheet 42

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