

Take out your work from yesterday's ws. Write the number out of 12 that you completed and start correcting.

1)  $7(2 + 5v) = 3v + 14$   
 $\{0\}$

2)  $36 - 7p = -7(p - 5)$   
 No solution.

3)  $-5(-2 - 8m) = 10 + 5m$   
 $\{0\}$

4)  $-2(v - 2) = -3 - 2v$   
 No solution.

5)  $30 + 6p = 7(p + 6) - 5$   
 $\{-7\}$

6)  $8x + 38 = -3(-6 - 4x)$   
 $\begin{array}{r} \cancel{-8x} + 38 = +18 + \cancel{12x} \\ \hline 38 = 18 + 4x \\ -18 \quad -18 \\ \hline 20 = 4x \quad x = 5 \end{array}$

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7)  $-4(v + 3) = -12 - 4v$   
 $\begin{array}{r} -4v - 12 = -12 - 4v \\ +4v \quad +4v \\ \hline -12 = -12 \end{array}$   
 { All real numbers. }

8)  $-3(v + 4) = 2v - 37$   
 $\begin{array}{r} -3v - 12 = 2v - 37 \\ +3v \quad +3v \\ \hline -12 = 5v - 37 \\ +37 \quad +37 \\ \hline 25 = 5v \\ \frac{25}{5} = \frac{5v}{5} \\ 5 = v \end{array}$

9)  $3 + 5n = 5(n + 2) - 7$   
 { All real numbers. }

10)  $4(k - 8) = -32 + 4k$   
 { All real numbers. }

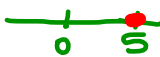
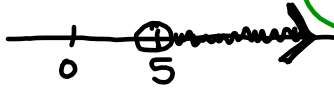
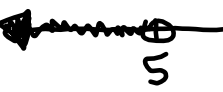

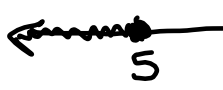
11)  $-14 - 8x = -2(-3x + 7)$   
 $\{0\}$   
 $\begin{array}{r} -14 - 8x = 6x - 14 \\ +8x \quad +8x \\ \hline -14 = 14x - 14 \\ +14 \quad +14 \\ \hline 0 = 14x \\ \frac{0}{14} = \frac{14x}{14} \\ 0 = x \end{array}$

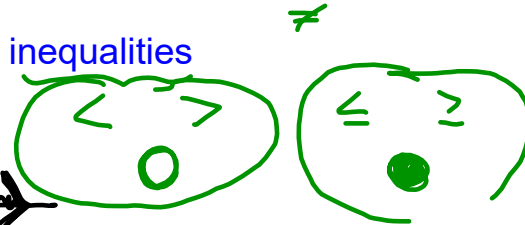
12)  $-(3 - 6b) = 6b + 5$   
 No solution.

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Solving one and two-step inequalities

$x = 5$   
 $x > 5$   
 $x < 5$   
 $x \geq 5$   
 $x \leq 5$

$\neq$   

  
 $5 > x$   
 $\leftrightarrow$   
 $x < 5$

proper form

variable

Inequality Symbol

Number

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HW - worksheet 9.1 (work shown on separate paper), 9.2 can be on the paper itself.

**Quiz corrections are due MONDAY!**

**You MUST follow instructions on the pink sheet.**

-All work must be *completed in pencil*, problems numbered, solved out neatly, answer circled, error analysis present and completed on a separate sheet of paper set up as shown below in order to possibly earn back 1/2 credit:

	Rework	Error Analysis
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•		
•		

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