November 28, 2011

No warm-up...

Anyone need to make up Cuesday's test?

## 11/28 - Solving Two-Step Equations with Multiply

## **Undo** means:

- 1. Use the number on the same side of the equation as the variable
- 2. Do the opposite operation
- 3. Do it on both sides

So... undo the add or subtract:

$$x+5=-1$$
 $-5$ 
 $x=-6$ 
 $-4=n-9$ 
 $3$ 
 $5=0$ 

Undo the multiply:

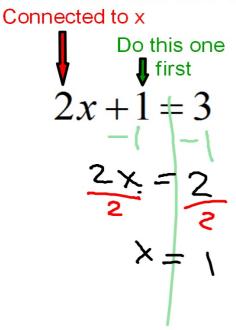
$$\frac{3b}{3} = -12$$

$$6 = -4$$

$$20 = -6k$$

$$-3\frac{7}{3} = k$$

## When there are 2 operations, save the one connected to the variable for last.



Connected to x

Do this one first 
$$\blacksquare$$

$$-10 = -5 + 4n$$

$$+5 = 4$$

$$-14 = N$$

$$3b+4=16$$
 $-4$ 
 $3b=12$ 
 $3$ 
 $b=4$ 

$$\begin{array}{c}
-18 = -10 + 4k \\
+10 & +10
\end{array}$$

$$\begin{array}{c}
-8 = 4k \\
4 & 4
\end{array}$$

$$2x-5 = -17$$

$$+5$$

$$2x = -12$$

$$= -6$$

$$\begin{array}{c|c}
-20 & = 7 - 3n \\
-7 & -7 \\
\hline
-27 & = -3n \\
\hline
-3 & = -3
\end{array}$$

$$5r+4 = -8$$
 $-4$ 
 $-4$ 
 $-4$ 
 $-12$ 
 $-2$ 
 $-2$ 
 $-2$ 

$$-20 = 8 + 6m$$
 $-8 - 8$ 
 $-28 = 6m$ 
 $-43 = m$ 

## Homework

Pink worksheet WS9

due Thesday