

October 23 2013.gwb - 2/6 - Thu Oct 242013 16:46:45

$y=-2 x+5$ $y=x-1$

Slope: $\stackrel{-2}{1} \rightarrow y$-int: 5

The solution to the system of equations is the intersection point, $(2,1)$, of the two lines.

Notice: Both equations are already in slope intercept form.


Notice the equations must be solved for $y$.
$x+\frac{1}{2} y=5$ (Mult.eq. by 2 )
$x+\frac{1}{2} y=2.5$
$2 x+y=10$
$\frac{l x \quad-2 x}{y} \begin{aligned} & y=-2 x+10\end{aligned}$

$$
\begin{aligned}
& 3 y-2 x=6 \\
& +2 x+2 x
\end{aligned}
$$

Slope: $\frac{-2 \downarrow}{1 \rightarrow}$
$y$-int: 10

$$
y=\frac{2}{3} x+2
$$

Slope: $\frac{2 \pi}{3 \rightarrow}$

$$
y=-m t: 2
$$


$\qquad$
4. $3 x+4 y=12$
$6 x+8 y=-16$
$\begin{array}{r}3 x+4 y=12 \\ -3 x \quad-3 x \\ \hline \frac{4 y}{4}=-\frac{3 x+12}{4} \frac{1}{4}\end{array}$

$$
y=-\frac{3}{4} x+3
$$

$$
\text { Slope: } \frac{-3 \downarrow}{4} \leftharpoondown=y=-\frac{3}{4} x-2
$$

$$
y \text { int: } 3
$$

$$
-\frac{6}{8} \div 2=\frac{-3}{4}
$$

 Window

Switch Windows *

 Equalslupes $\Rightarrow \|^{l}$ lines.


