

March 8, 2016  
 \* 3.1 #1-#25 odd  
 Linear Equation  
 $a x + b y = c \rightarrow \text{Line}$   
 $a, b, c \in \mathbb{R}$

Mar 8-9:04 AM

$x + 2y = 4$

$x$	$x + 2y = 4$
7	$-\frac{3}{2}$
2	1
(4)	0) x-int
(0)	2) y-int
-4	4
-8	6

$(-7) + 2y = 4$   
 $-7 \quad \uparrow \quad -7$   
 $2y = -3$   
 $y = -\frac{3}{2}$

$(-2, 5), (7, -\frac{3}{2}), (2, 1), (4, 0), (0, 2), (-4, 4), (-8, 6)$

Mar 8-9:16 AM

$(x, 0)$   
 x-intercept  
 $(-5, 0)$   
 $(0, 3)$  y-Intercept  
 $(0, 2)$   
 $(0, 0)$

Mar 8-9:23 AM

$-4x - 6y = 8$

$x$	$-4x - 6y = 8$
0	2
$\frac{7}{2}$	0
-2	-6
4	-4
1	-2
7	-6

$-4(4) - 6y = 8$   
 $-16 - 6y = 8$   
 $\frac{-6y}{-6} = \frac{24}{-6}$   
 $y = -4$

$-4(7) - 6y = 8$   
 $-28 - 6y = 8$   
 $-6y = 36$   
 $y = -6$

Mar 8-9:43 AM