Graphing Linear Functions
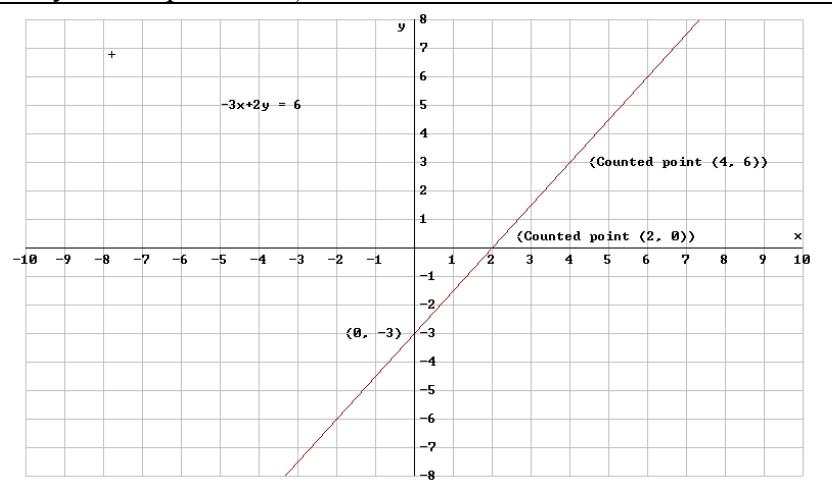
1. 5x – 3y = 12 (Table of Values)

$-3y = -5x + 12$	
$y = \dfrac{-5x+12}{-3}$	

x	-2	2	4
y	$\dfrac{20}{-3}$	$\dfrac{2}{3}$	$\dfrac{-8}{-3}$
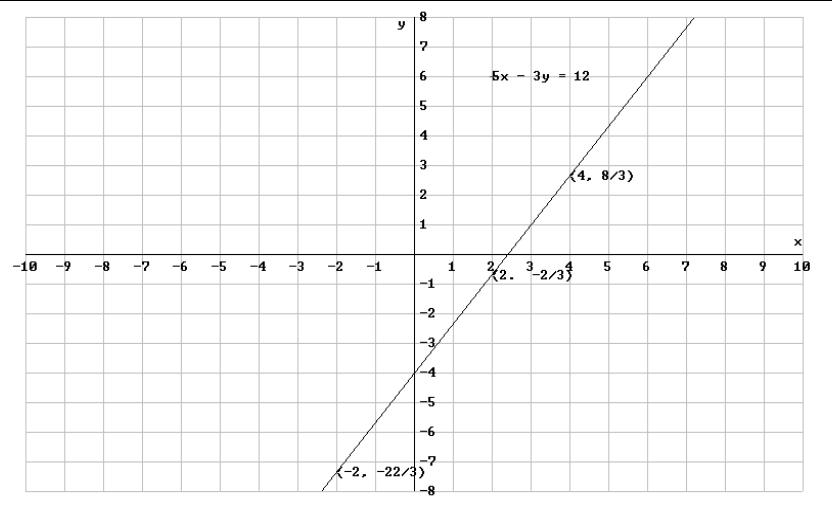
2. –3x + 2y = -6 (slope and y-intercept method)

$2y = 3x - 6$

$y = \dfrac{3}{2}x - \dfrac{6}{2}$

$m = \dfrac{3}{2}$

$b = -3, \ (0,-3)$

3. –5x - 4y = 20 (intercept method)

$-5(0) - 4y = 20$

$-4y = 20$

$y = \dfrac{-20}{4} = -5, \ (0,5)$

$-5x - 4(0) = 20$

$-5x = 20$

$x = \dfrac{20}{-5} = -4, \ (-4,0)$