



y-int=2 (0,2) x-int=-2 (-2,0)

Find the x and y-intercepts.

$$4x + 7y - 3 = 53$$

$$x - int (y = 0)$$

$$4x + 7(0) - 3 = 53$$

$$4x + 3 = 53 + 3$$

$$4x + 3 = 53 + 3$$

$$4x = 56$$

$$4x = 14$$

$$(1410)$$

$$4x + 7y - 3 = 53$$

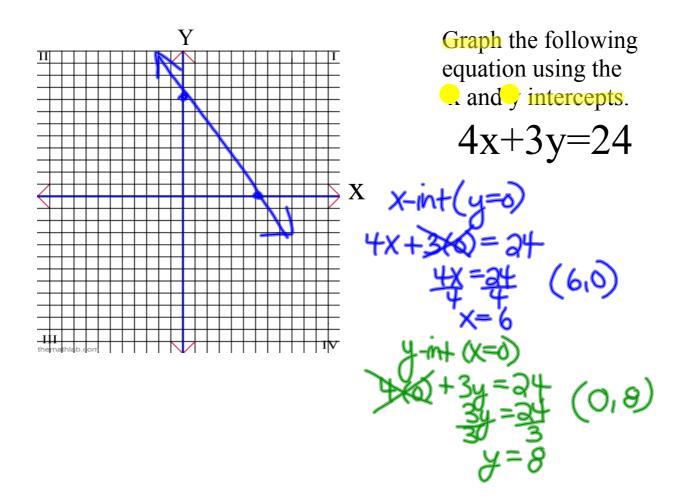
$$7y - 3 = 53$$

$$7y - 3 = 53 + 3$$

$$4x = 56$$

$$4x = 14$$

$$(0.8)$$



Find the x and y-intercepts.

$$4y-7-4x=7y+x+3$$

x-int (y=0)

$$4(0)-7-4x = 7(0)+x+3$$

 $-7-4x = +x+3$
 $-4x-x = 3+7$
y-int (x=0)
 $4y-7-4(0) = 7y+(0)+3$
 $4y-7 = 7y+3$

$$-4x - x = 3 + 7$$
$$-5x = 10$$
$$x = -2$$

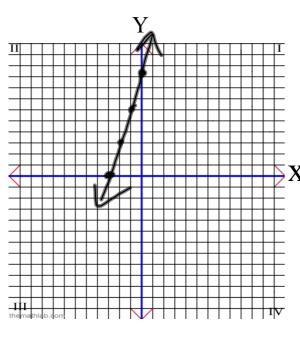
y-int (x=0)

$$4y-7-4(0) = 7y+(0)$$

 $4y-7 = 7y+3$
 $4y-7y = 3+7$

$$-3y = 10$$
$$y = \frac{-10}{3}$$

$$(0,-10/3)$$



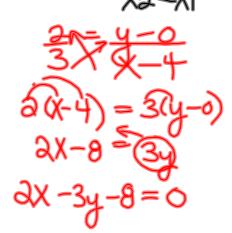
Graph the following equation with the same x-intercept as 7y - 8x - 3 = 21 and parallel to the equation y = 3x - 4

$$7y-8x-3=31$$
 $7(0)-8x-3=31$
 $-8x-3=31+3$
 $(-3.0) = 8x=34$
 $x=-3$
 $x=-3$

Determine the equation of a line with an x-intercept of 4 and perpendicular to the

slope of -3.

Slope: + 3 Point: (4,0) (x, y) (1,0)



Determine the equation of a line that has the same x-intercept as 3x - 3y + 2 = 8 and

perpendicular to -4 x-inf(y=0) 3x-3y+2=8 Slope: y 3x-3y+2=8 Point: (x,y) (x,y)

Determine the equation of a line with the same x-intercept as 3y - 14 = 2x and parallel to 2y = 4x - 6