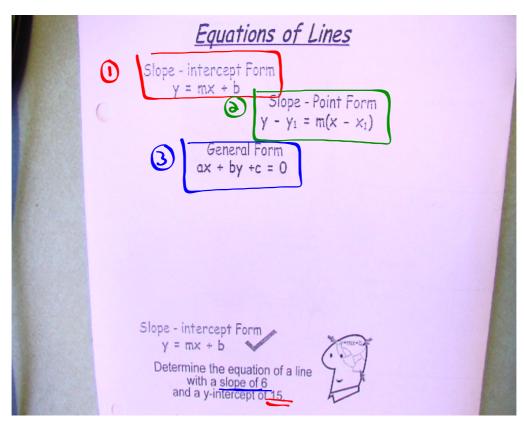
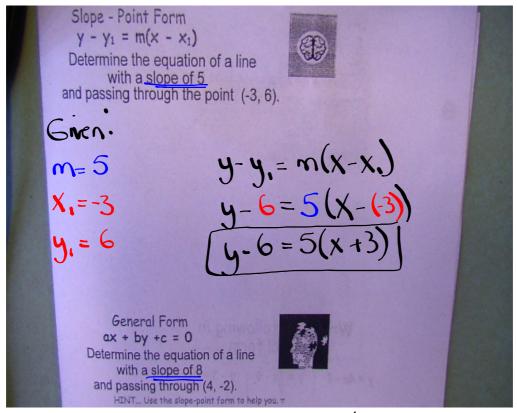
**Equations of Lines** 

Kicking it up a notch!!



Given: 
$$y = mx+b$$
 $m=6$ 
 $b=y-int=18$ 
 $y=6x+15$ 

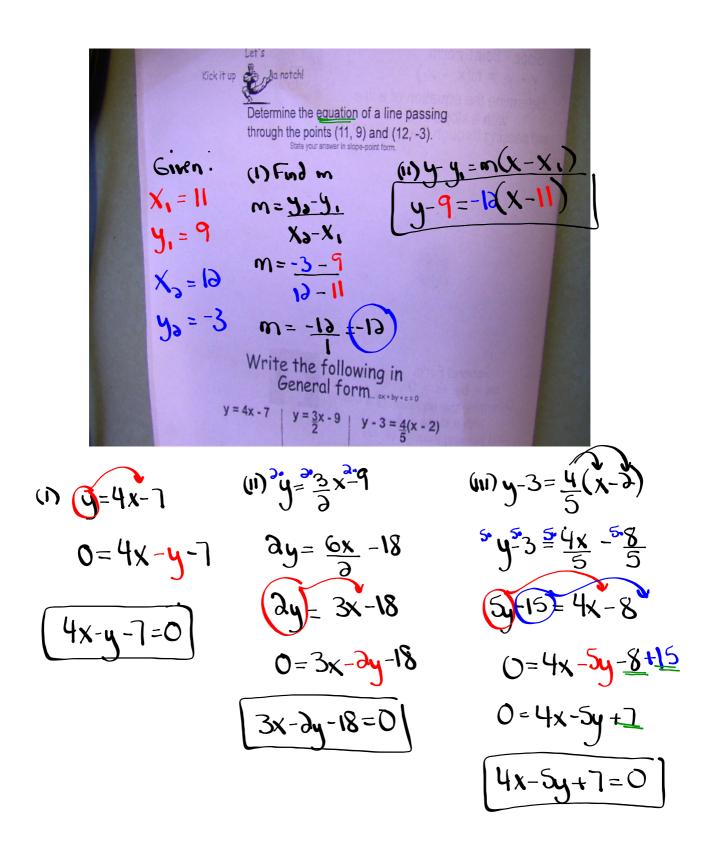


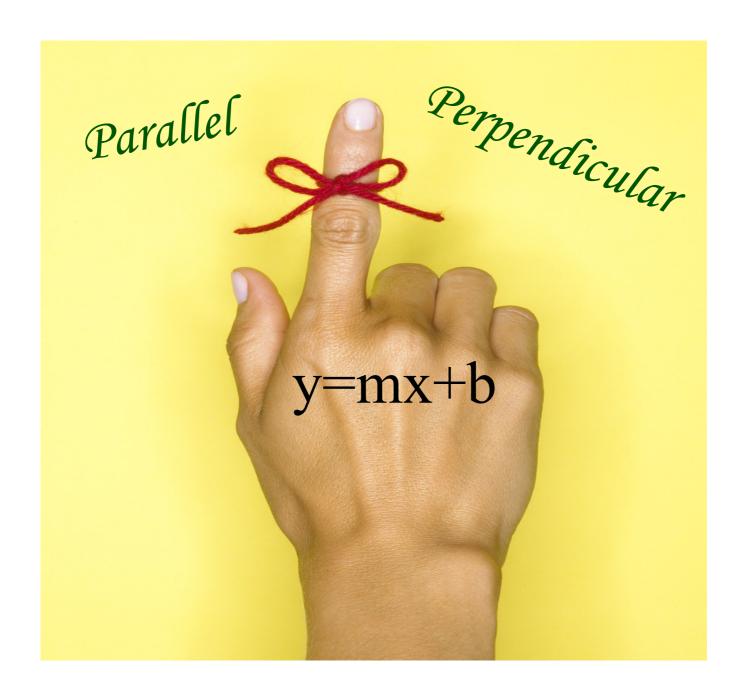
Given. 
$$y-y_1 = m(x-x_1)$$
  
 $m=8$   
 $y-(-2) = 8(x-4)$   
 $y+0 = 8(x-4)$  Form
$$y+0 = 8x(30)$$

$$-8x+y+0 + 30 = 0$$

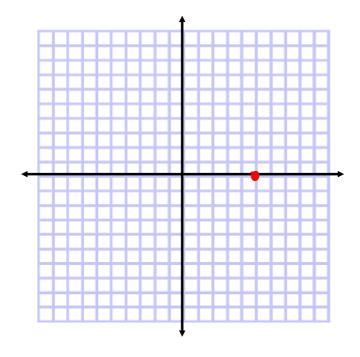
$$-8x+y+34 = 0$$

$$8x-y-34=0$$
 General Form









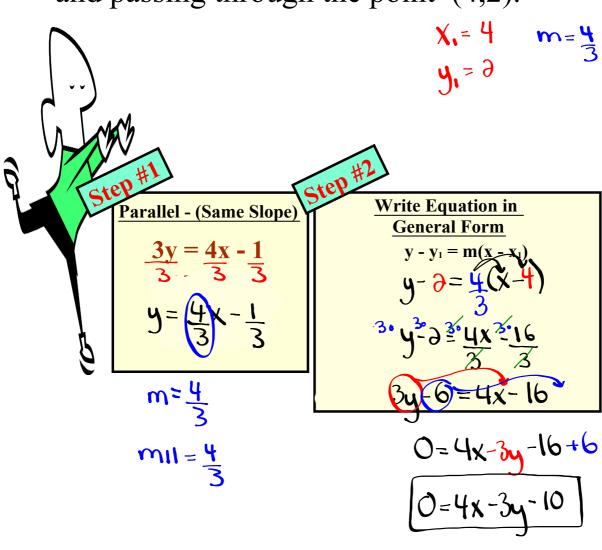
x-intercept = 5
(y=0)

Do you know the co-ordinate?

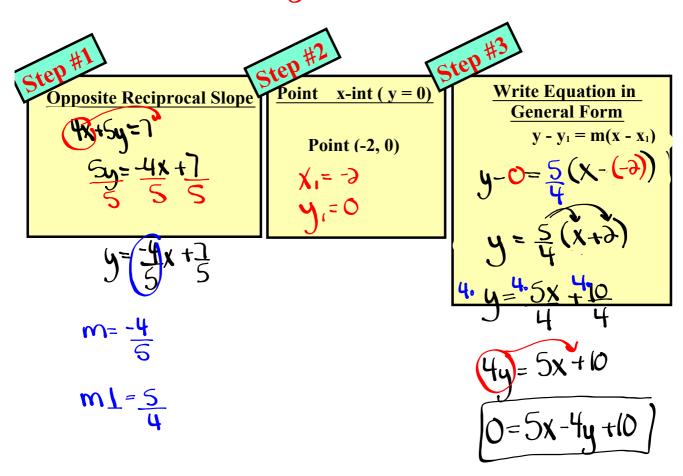
(5,0)



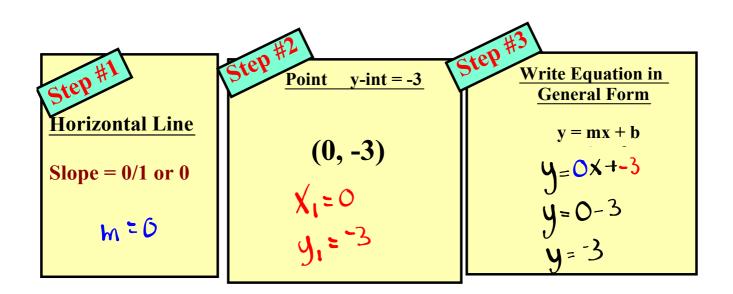
Find the equation of a line parallel to 3y=4x-1 and passing through the point (4,2).



Determine the equation of a line perpendicular to 4x+5y=7 and having an x-intercept of -2.



## Determine the equation of a horizontal line with a y-intercept of -3





Check out the sheet.

M(3, 5) U(-2, -1) D(0, -4) Find the equation of a line parallel to MD and passing through U.