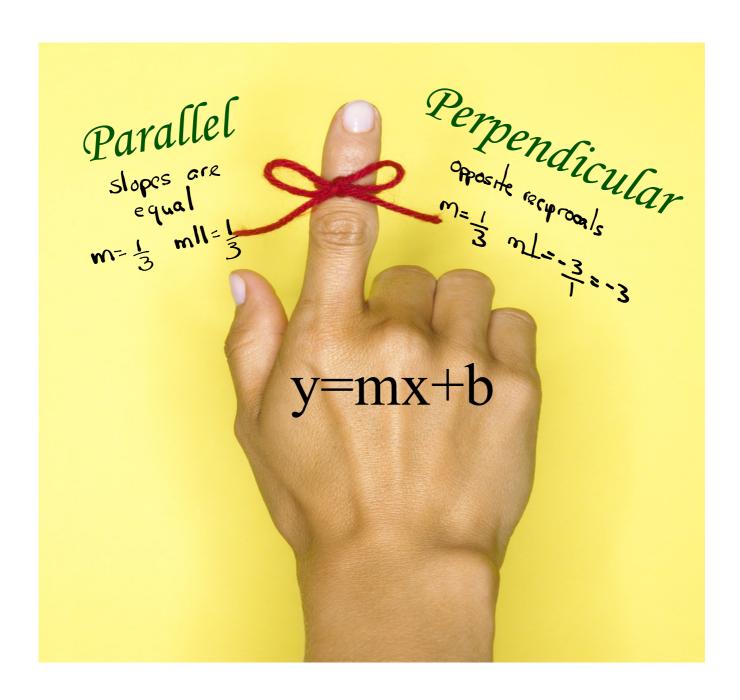
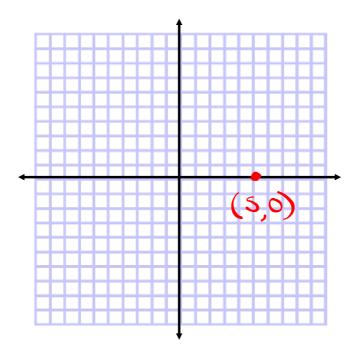
Equations of Lines

Kicking it up a notch!!

$$y-y_{\perp} = m(x-x_{\perp}) \qquad m = Slope (x_1,y_1) = Point x=x y=y$$









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

(Express your answer in point slope form please.)

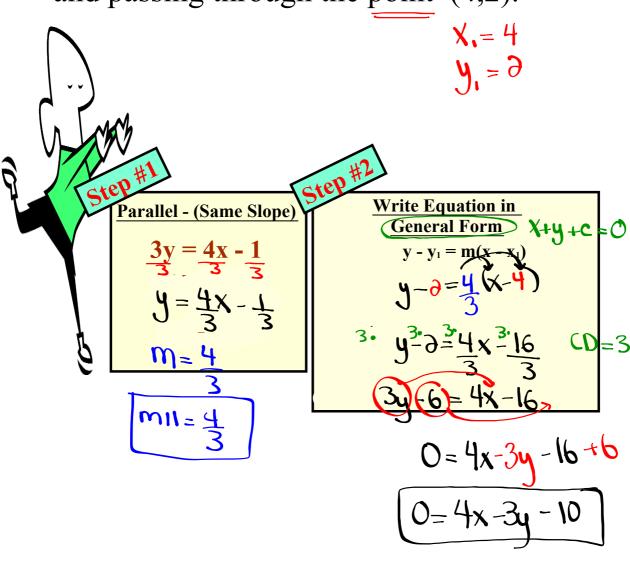
#2 Determine the equation of a line perpendicular to 4x+5y=7 and having an x-intercept of -2. (Express your answer in slope intercept form please.)

#3 Determine the equation of a horizontal line with a y-intercept of -3 (Express your answer in general form please.)

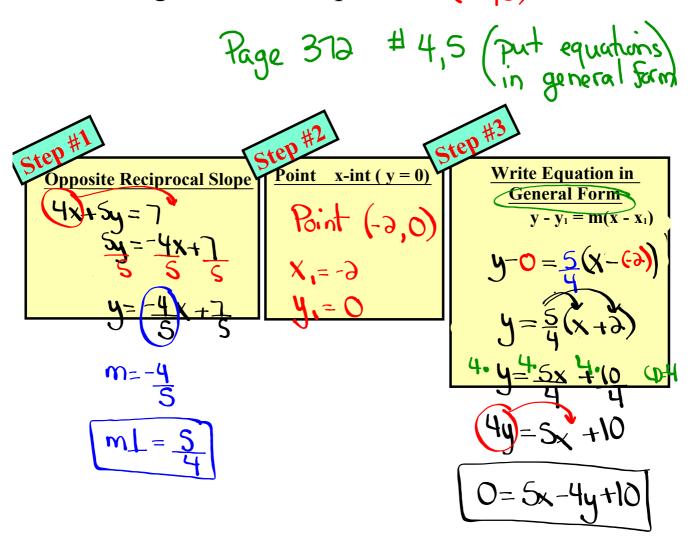


Check out the sheet.

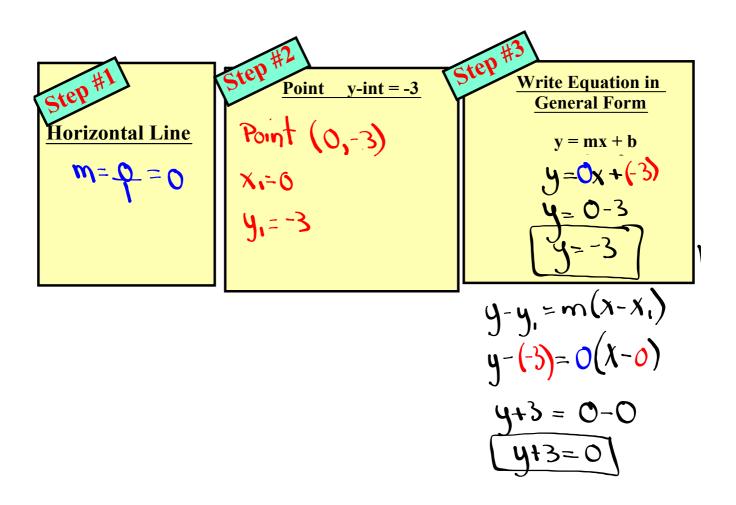
Find the equation of a line parallel to 3y=4x-1 and passing through the point (4,2).



Determine the equation of a line perpendicular to 4x+5y=7 and having an x-intercept of -2. (-3.0)



Determine the equation of a horizontal line with a y-intercept of -3 (0,-3)



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