



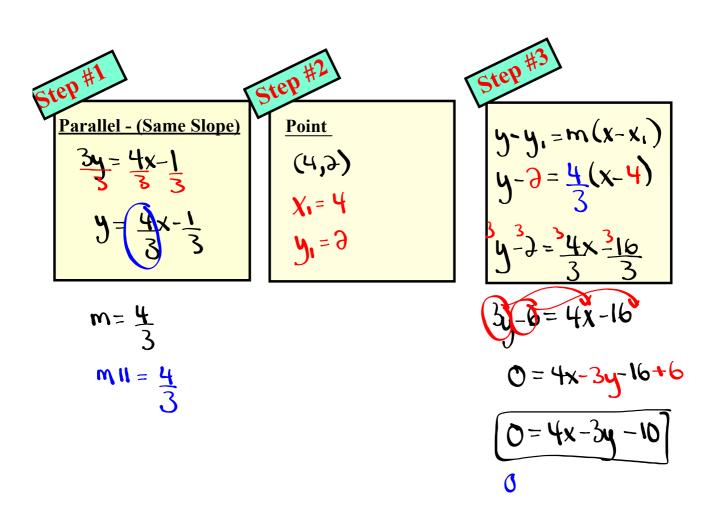


To Find the equation of any line.

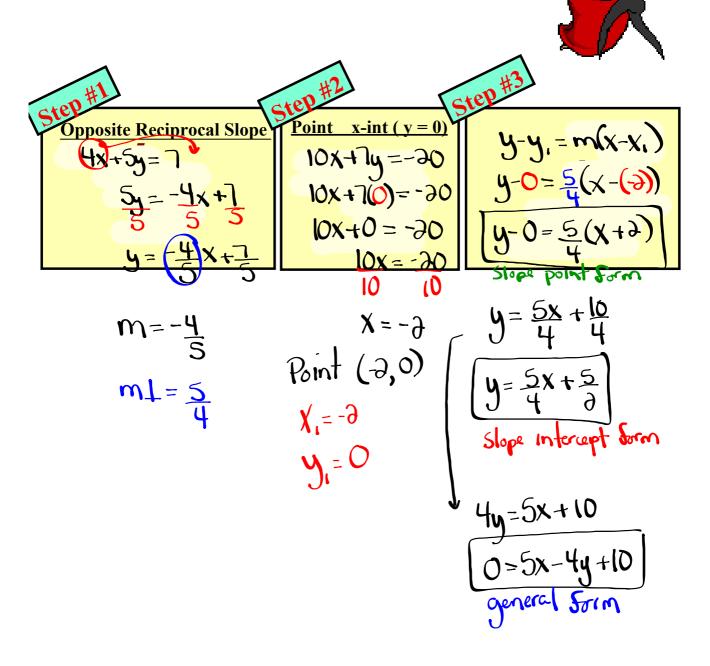
O Find slope (m)

- @ Find point (x, y,)
- 3 Find equation using y-y=m(x-x1)

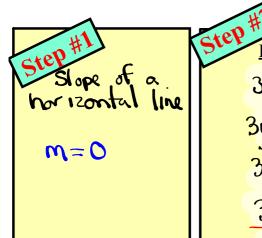
Find the equation of a line parallel to 3y=4x-1 and passing through the point (4,2).



Determine the equation of a line perpendicular to 4x+5y=7 and having the same x-intercept as 10x+7y=-20.



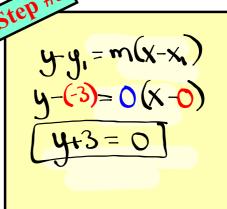
Determine the equation of a horizontal line passing through the same point on the y-axis as 3y = 6x - 9



Step #2

Point y-int (X=0) Step #3

$$3y = 6x-9$$
 $3y = 600-9$
 $3y = 0-9$
 $3y = -9$
 $3y = -9$



$$y = -3$$

Point (0,-3)

 $x_1 = 0$
 $y_1 = -3$

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

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slope:
point:
(x,y):
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