4 2-4 Prac ## 2 11 M Parallel Lines = never intersect & & They have same Slope & make some both equations are y=mx+b EXI/ Y= 2x+4 600 in form no need to change. -2x+y=8 -2x+y=8 -2x+y=8Slope is both 2 = Parallel -3y+4x=12 need to change EXZ -3y + 4x = 128x - 6y = 36need to change 8x - 6y = 30since both slopes are 3 Parallel

Prac 2-4 cont ## Perpendicular Lines = intersect exactly once, creating 90°. & The Slopes must be negative recipricals* RecipricalS Negative $-\frac{1}{4} \rightarrow \frac{4}{1} = 4$ $-\frac{3}{4} \rightarrow \frac{4}{3}$ no need to change Ex2 5 need to change ` Since Sopes are 1 -> -2 =/Veg Perpendicular

** Poac 2-4 cont. ##

Perpendicular

-3x+6y=12 -> need to change 6x+3y=18 read to change

-3x + 6y = 12 +3x + 3x + 3x 6x = 3x + 12

y = 2 x +2

Stopes -2 -> \frac{1}{2} ran Neg
Rec.

Perpendicular