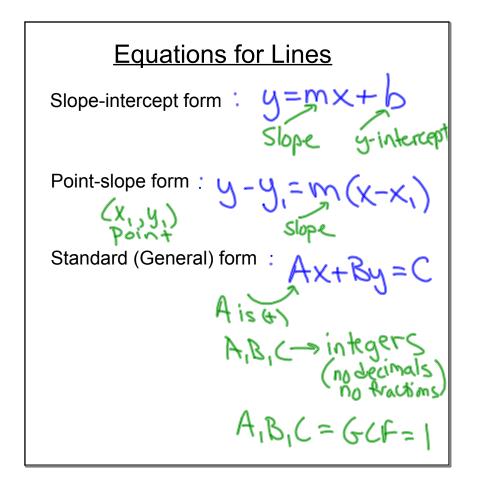


Parallel Lines -> never intersect Slopes are equal same Perpendicular (Normal) Lines = /ine s that intersect at 90° Slopes are opposite reciprocals of each Other $EX \rightarrow 7$



Ex 1) Write an equation for a line through
(-2, -1) and (3, 4) using each form.

$$m = \frac{4-1}{3-2} = \frac{5}{5} = 1$$
Superintercept

$$\begin{array}{r} y=+x+1\\ y=1(3)+b\\ 1 = b\\ \end{array}$$
Standard

$$\begin{array}{r} y=x+1\\ -1=x-y\\ \hline x-y=-1\\ \end{array}$$

Ex 2) Write an equation for a line perpendicular to

$$2x + 3y=1$$
 and through (2, -1).
 $3y=-2x+1$
 $y=-\frac{2}{3}x+\frac{1}{3}$
 $M=-\frac{2}{3}$