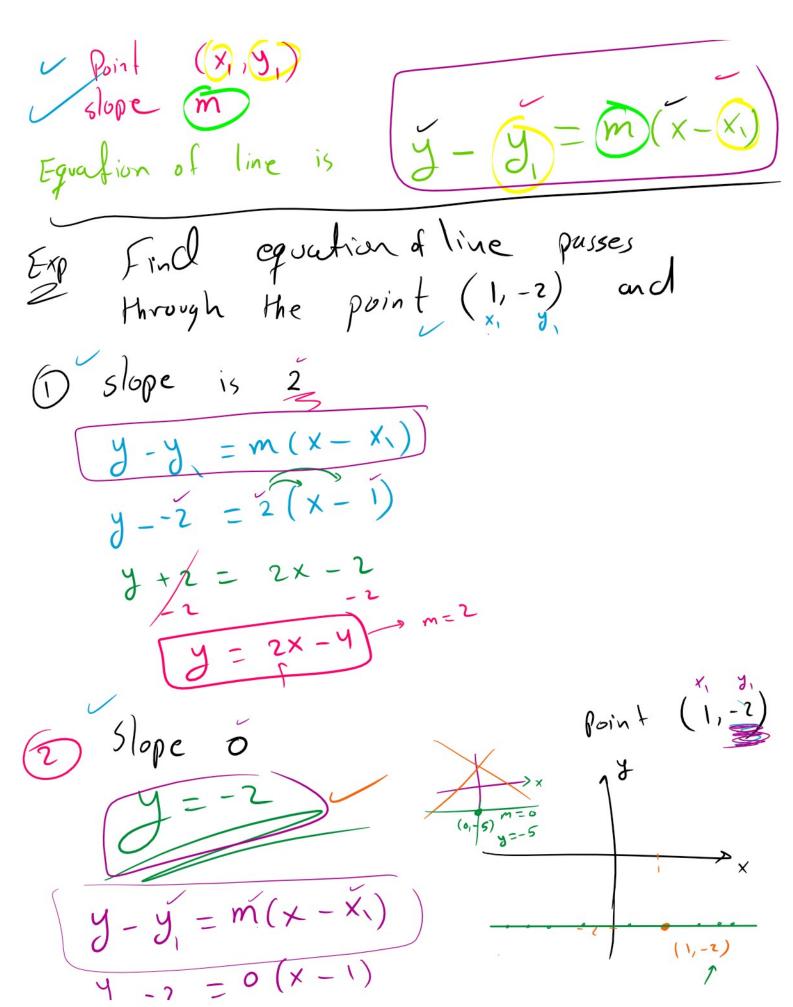
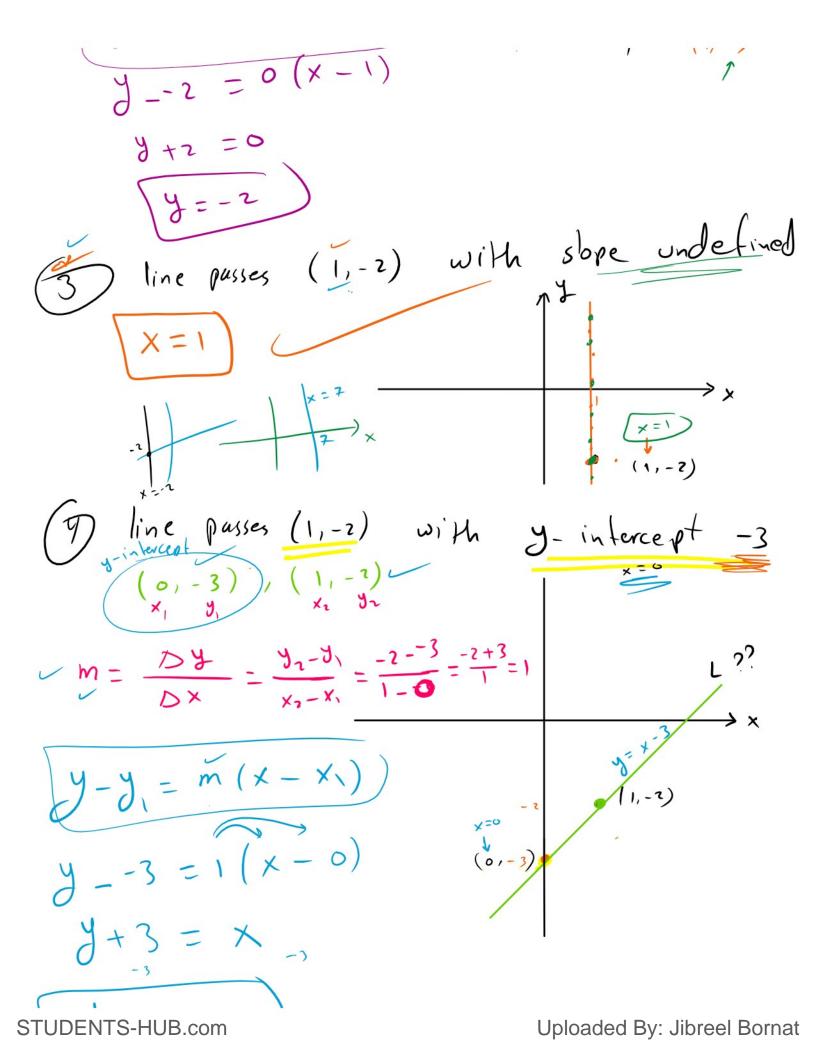
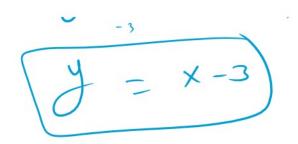


Lz: (0,3), (1,4)

Exp Sketch L2 : 32 = 2 +1 =) mz=1 > L, not parallel Lz $m_1 \cdot m_2 = (-x)(\frac{1}{x}) = -1$ (L, L h Li: y, = 1-2 x $\begin{pmatrix} x_1 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} x_2 \\ -2 \\ 0 \end{pmatrix}$ $\begin{pmatrix} x_1 & y_1 \\ 0 & 1 \end{pmatrix}, \begin{pmatrix} x_2 & y_1 \\ 1 & -1 \end{pmatrix}$ How can we write the We need point through the line and slope V Point (x,5)







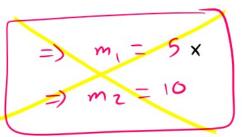
(5) line passes
$$(1,-2)$$
 and $x-intercept$

$$(-3,0) (1,-2)$$

$$M = \frac{33}{5} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 6}{1 - 3} = \frac{-2}{1 + 3} = \frac{-2}{4} = \frac{-2}{2}$$

$$y - 0 = -\frac{1}{2}(x - 3)$$

$$\frac{y}{y} = -\frac{1}{2}(x+3)$$



$$L_{1}: \frac{5x - 2y = 8}{5x} - \frac{5x}{2}$$

$$-\frac{2y}{2} = \frac{8}{-2} - \frac{5x}{2}$$

$$y = -4 + \frac{5}{2}x \implies m_{1} = \frac{5}{2}$$

$$L_{2}: \frac{10x - yy = 8}{-10x}$$

$$-\frac{10x}{-10x} = \frac{8 - \frac{10x}{-10x}}{-\frac{10x}{2}}$$

$$\frac{L_{1}}{L_{2}}$$

$$\frac{L_{1}}{L_{2}}$$

$$L_{1} = \frac{2-3y}{-2} = \frac{5-6x}{-2}$$

$$-\frac{3y}{-2} = \frac{3-6x}{-3}$$

$$\frac{-3y}{-2} = \frac{3-6x}{-3}$$

$$\frac{-3y}{-2} = \frac{3-6x}{-3}$$

 $(3) L_1: x+y=-1 = y=-1-x = m_1=-1$ $2 + 3x = 4 = y = y = y+3x = y^2$ $2 + 3x = 4 = y = y = y+3x = y^2$ $3 + 3x = 4 = y = y = y+3x = y^2$ $4 + 3x = y^2$ 4