A A A A

 $d_1 \cdot 2x - 5y - 1 = 0$   $d_2 \cdot x + 4y - 7 = 0$   $N = d_1 \cap d_2$   $H divides [AB] in ratio <math>h = \frac{2}{3}$  A(4, -3) B(-1, 2)

JY DH'N

 $\begin{cases} 24 - 5y - 1 = 0 \\ x + 4y - 7 = 0 / (-2) \\ -13y + 13 = 0 \end{cases}$ 

y = 1  $x_{1}, y = 2$  y = 1y =

 $M\left(\frac{2}{1+h},\frac{1}{1+h}\right) = M\left(\frac{4}{2}(n),\frac{2}{3},\frac{2}{3}\right)$   $= M\left(\frac{2}{1+h},\frac{2}{3},\frac{2}{3}\right) = M\left(\frac{2}{3},-1\right)$ 

l = P(xp, yp), @ (xa, ya)

l: x-xa = 4-ya

xp-xa = 4p-ya

 $\frac{x-3}{3-2} = \frac{y-1}{1+1}$   $\frac{x-3}{2} = \frac{y-1}{2} = 2 \times -6 - y + 1 - 0$   $\frac{1}{2} = \frac{y-1}{2} = 2 \times -6 - y + 1 - 0$ 







