Conic Section. (Total Memory Game)
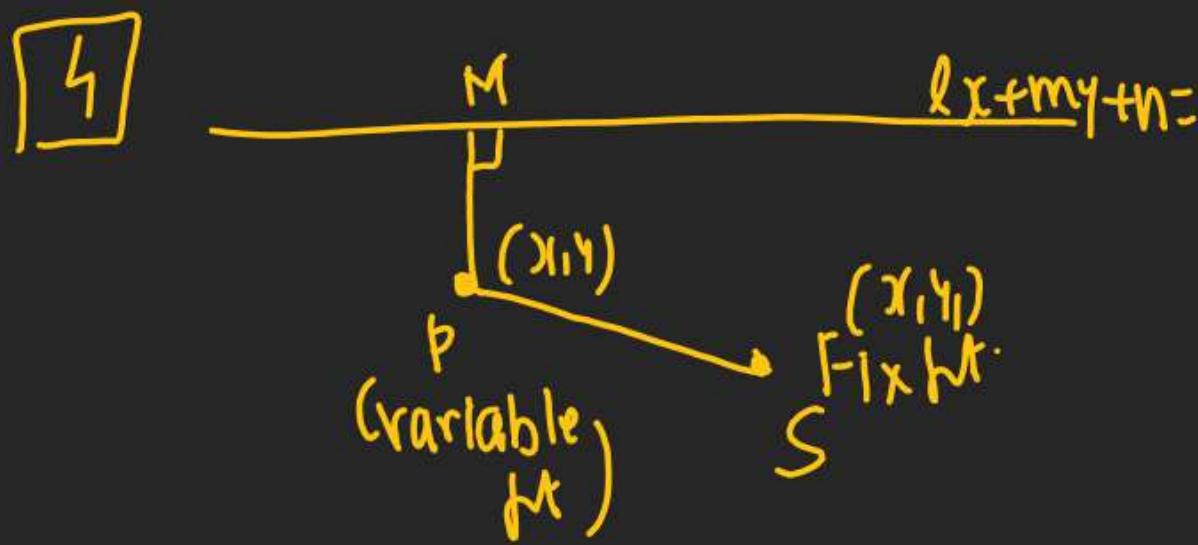
1) In Conic Section we always Look for Locus of a pt. (variable) who behave Same With Respect to a fix line & fix pt.

$\underbrace{\text{Directrix}}$ $\underbrace{\text{Focus}}$

(2) eccentricity $= e = \dfrac{SP}{PM}$

if S is not on Line then Locus of P will give you a Conic Section

School 2

$\boxed{4}$

$$\ell x + my + n = 0$$

M

(x, y)

P (variable pt.)

(x_1, y_1) Fix pt.

S