

$$\sum_{r=0}^k \frac{n+1}{(n+1-r)} = \prod_{r=0}^k \frac{(n+1)}{(n+1-r)} = \frac{(n+1)(n)(n-1)\dots 1}{(n+1)!}$$

$\{x-\text{II}\} \rightarrow \text{L} - (\text{iii})$

$\{x-\text{II}\} \rightarrow \text{L} + \text{S} \quad 6 \checkmark$

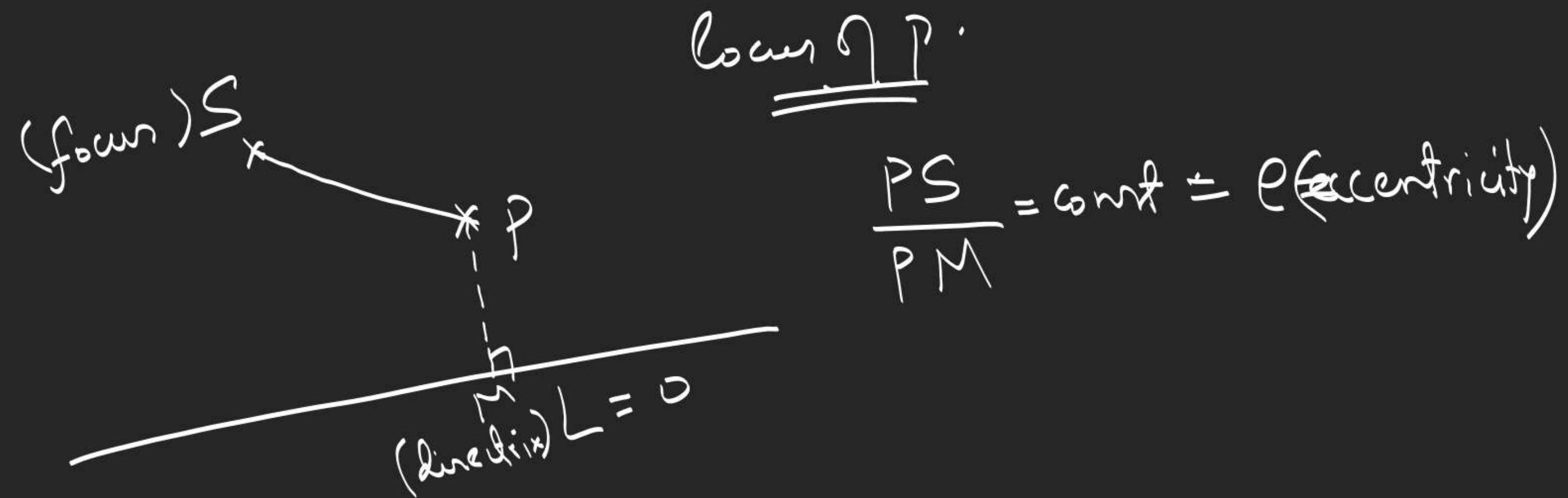
$\{x-\text{III}\} \rightarrow \text{L} + \text{S} \quad 6 \checkmark$

Conic Section

fixed point (focus)

fixed line (directrix)

constant (eccentricity)



If focus lies on directrix, then .

