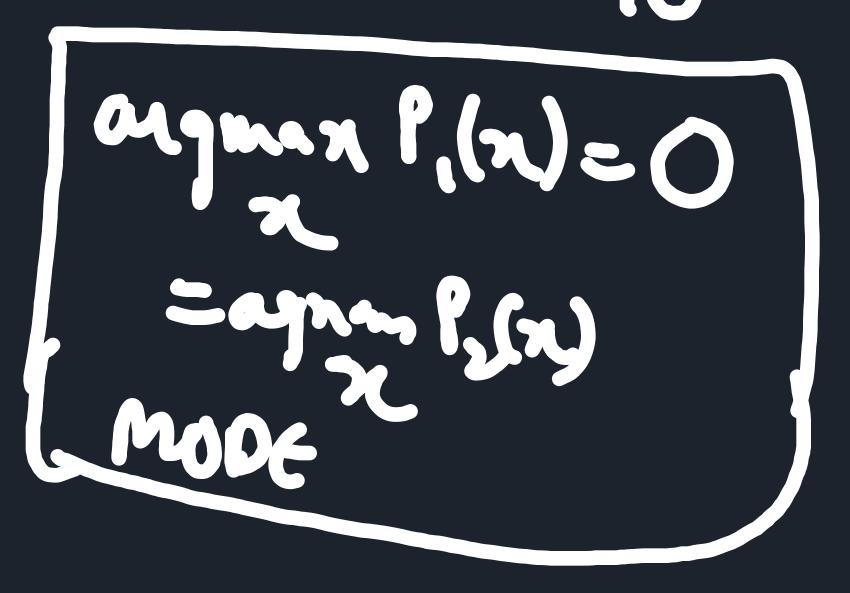
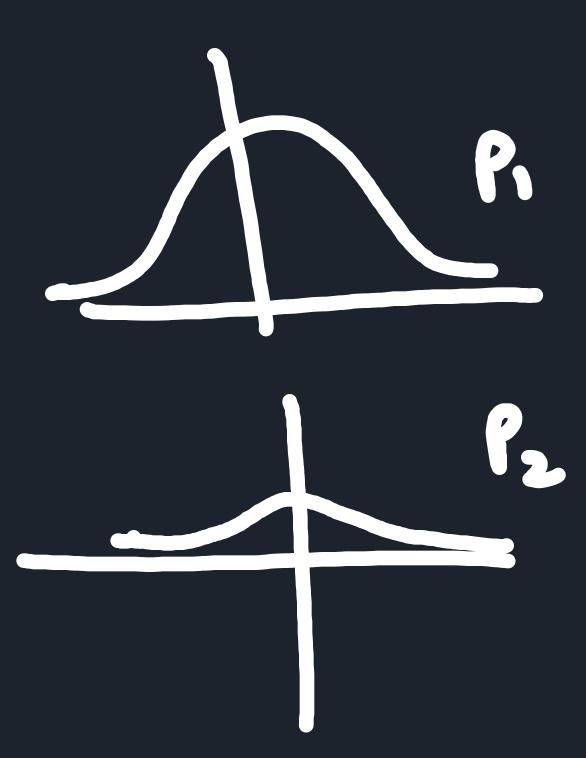
のオー if yeal: 04#= 8 outre 1-8 Lax-conditional 67(1-e) OR Ox+(1-e)(1-x)

$$P(\Theta|D) = P(D|\Theta) \cdot P(\Theta) = \frac{P(D|\Theta)P(\Theta)}{\int P(D|\Theta)P(\Theta)d\Theta}$$

$$\widehat{\Theta}_{MLE=} \text{ argmax } P(D|\Theta)$$

 $P_{1}(x) = N(0,1)$ $P_{2}(x) = N(0,1)$ $\frac{40}{40}$





P(elD) & P(D(e). P(e)



linner yinN(xite,3) log. HinBenn(o(xite))

nier P(6)=? P(e) = N(0, bI)

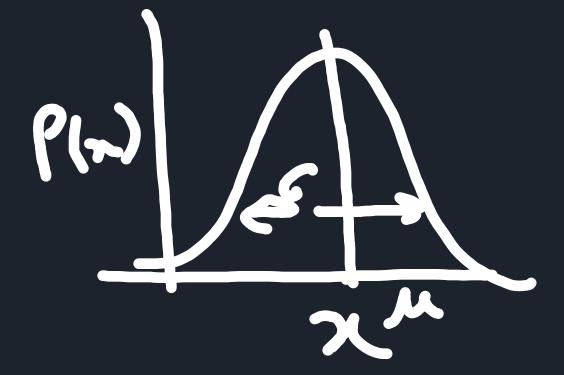
MUNDEMPL

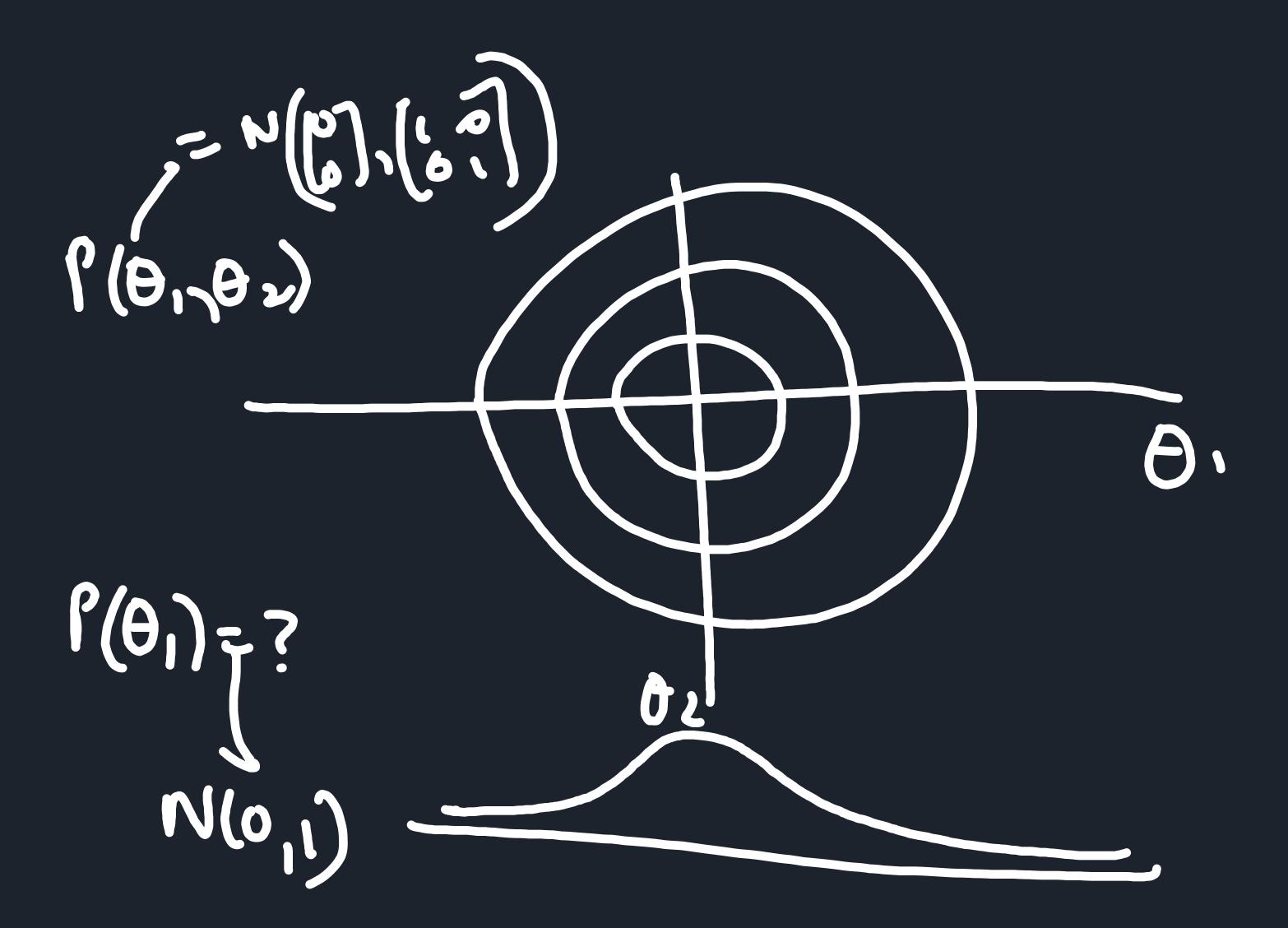
$$P(\Theta \mid \mu, \epsilon) = \frac{1}{2\pi |\epsilon|^{3}}$$

$$(2\pi |\epsilon|)^{3}$$

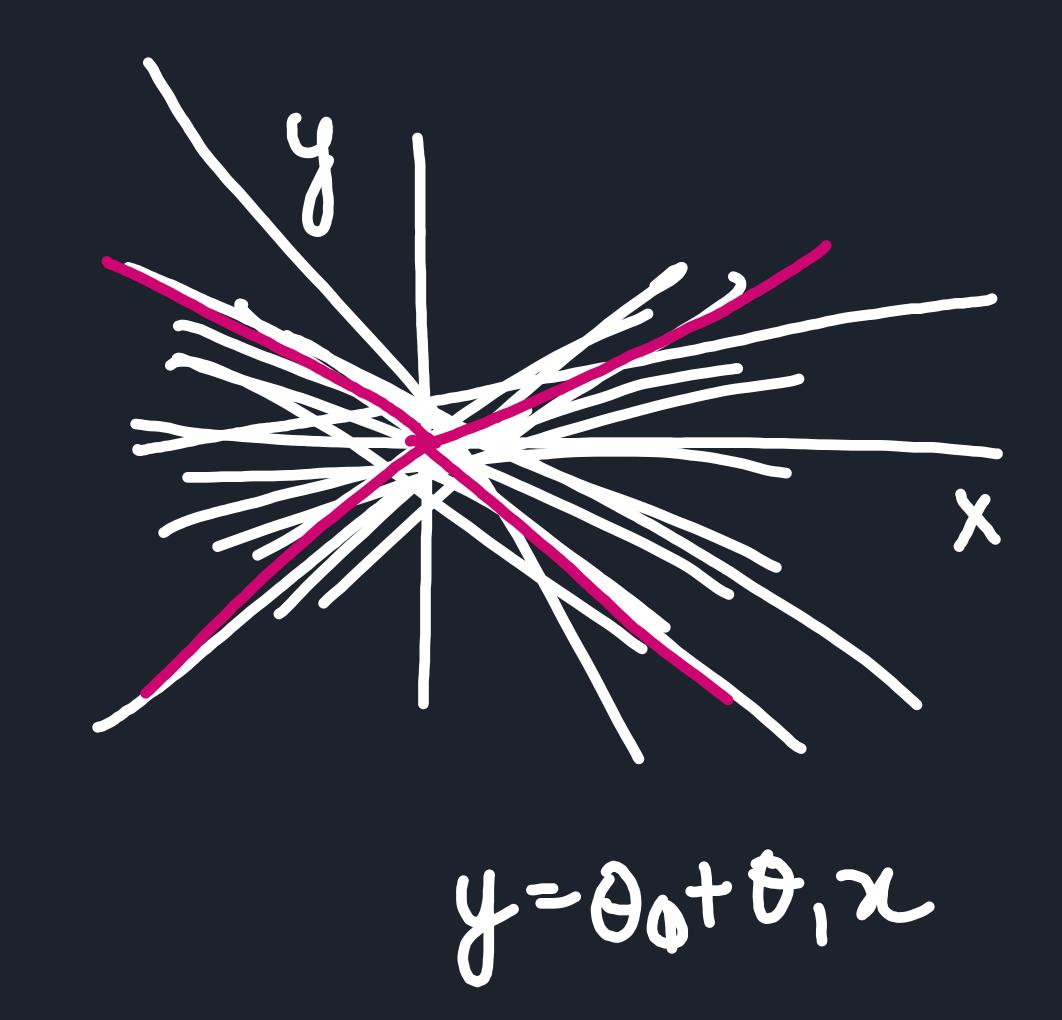
Asil

というか(かば)

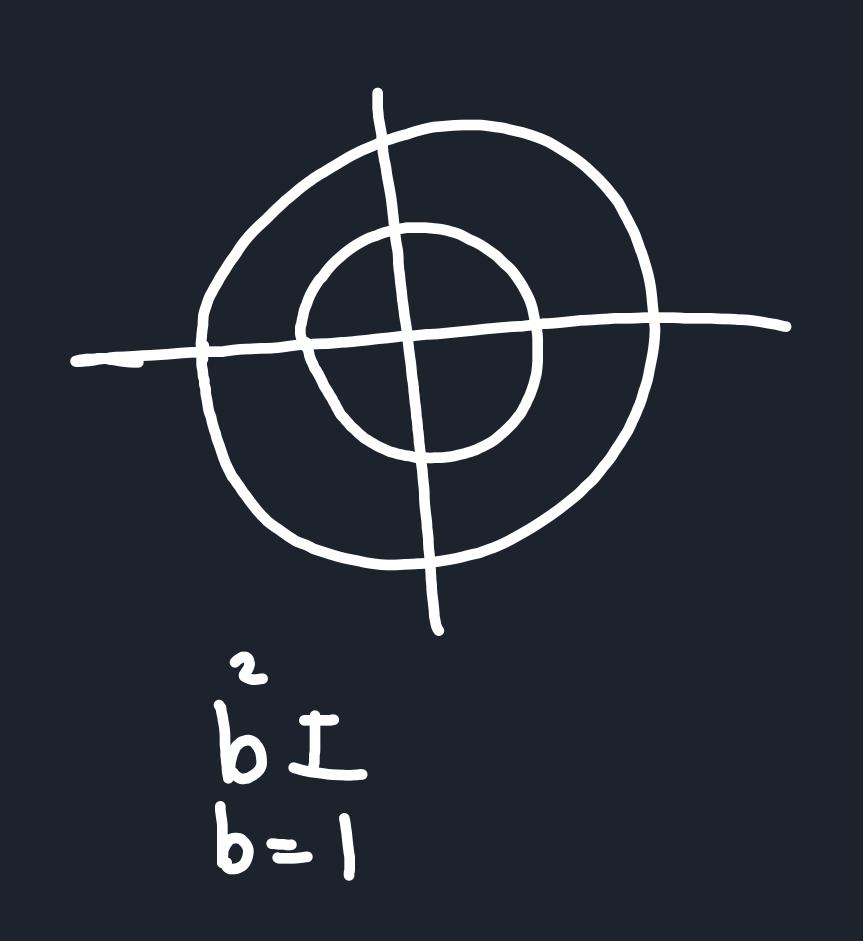




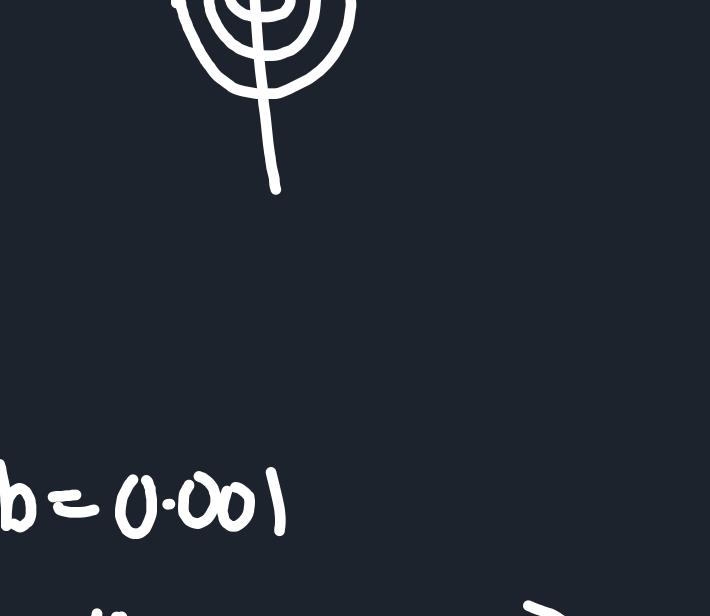
Prim P(b)=N(6);[0])

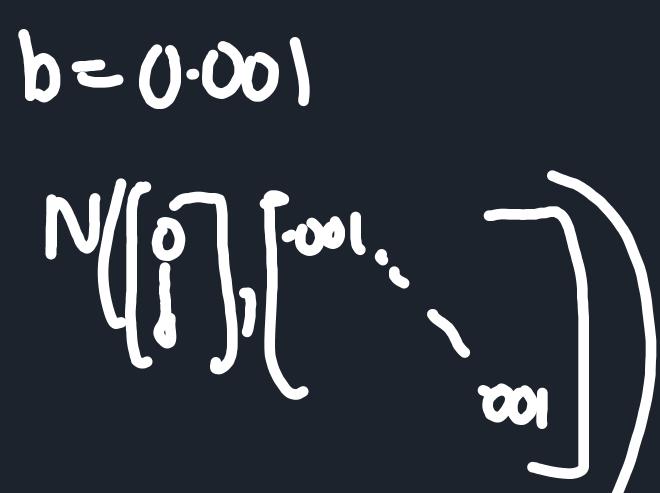


1(b) den/(-1(b-32(b-0)) 「四个的《一」可至日 Z=6I=2=1I

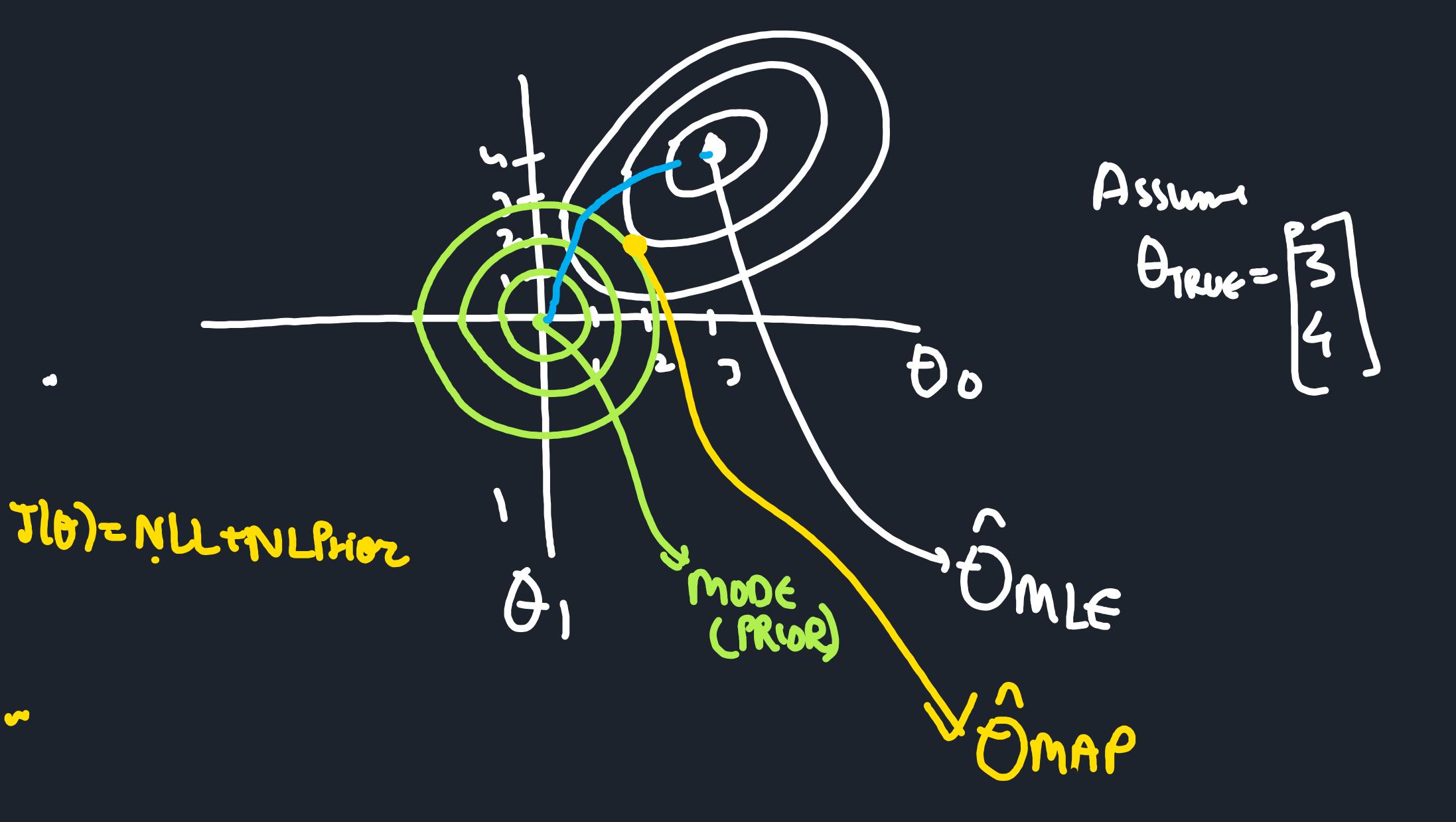












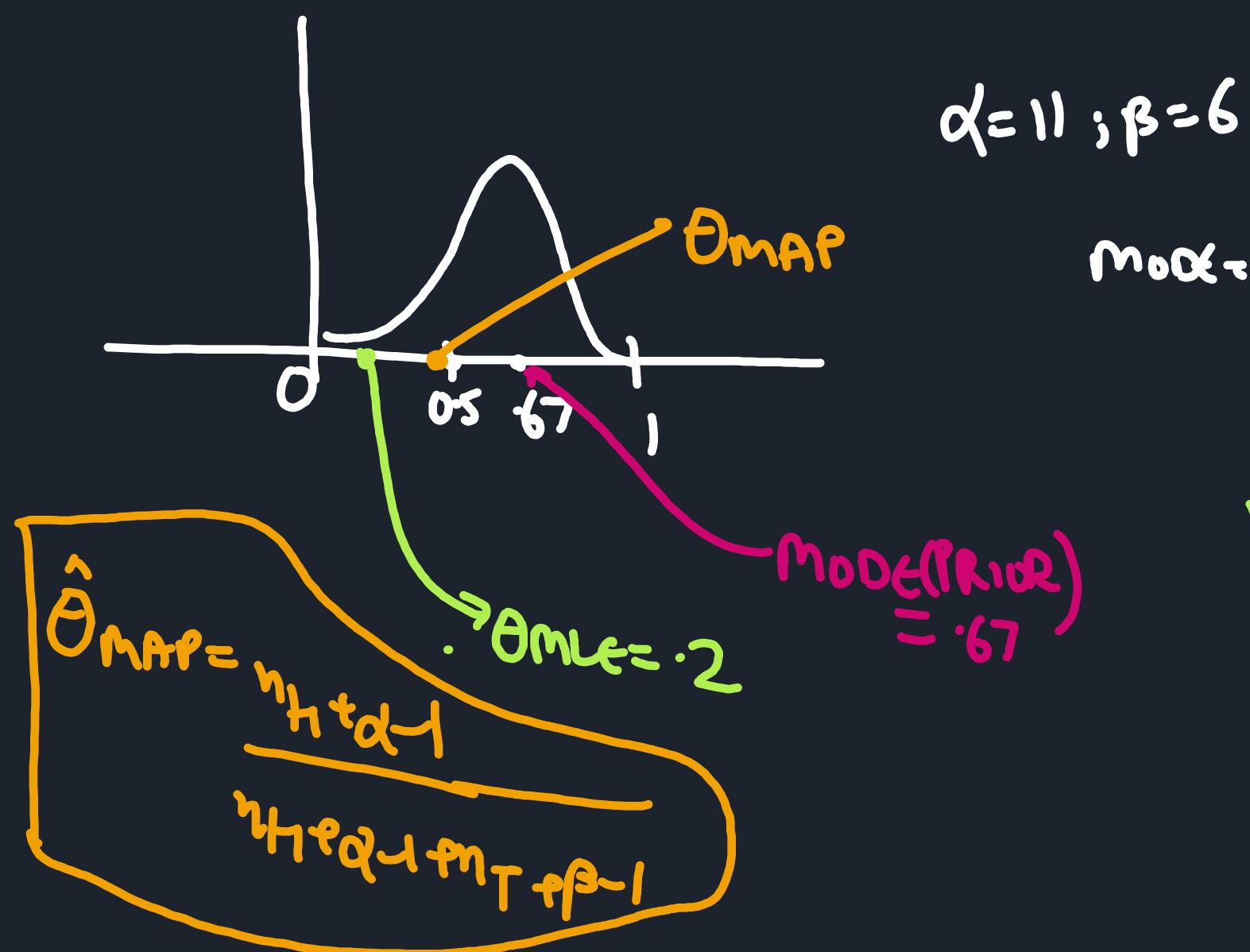
E~N(0|1,6I) b~N(1,6) (b)
Detest
) P(OID): Prior

Deta-D2

P(OID,Q)

COW BY MAP

$$\Theta$$
mode= α -1
 α + β -2



Mock of = 10 = 23 $0 + \beta - \nu = 15 = 23$

Mh=2 hT=8 ômbenh hhmm