(b) u = 65

$$\sigma = 3$$

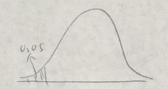
 $n = 25$
 $x bar = 64$
st. norm.cdf(x = Xbar, loc = u, scale = $\sigma / n \times 10.5$)

=) 0.0478

(c)
$$P(\overline{X}A \leq X) = 0.05 \Rightarrow 2 \approx -1.645$$

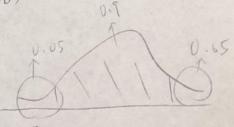
$$\frac{\overline{1}A-\overline{1}}{3/\overline{125}} = -1.645$$

 $\chi = 62.2583$



(山) 图常能分布勤稱,中央面積 0.9等同於 全部面積 淑禧兩倍之 P(XASX) 而 X, 司內為(山之) = 62.2583

名外
$$\frac{x_8 - x_2}{3/\overline{25}} = 1.645$$
 ませ $x_2 = 67.7417$



$$= (\chi_1, \chi_2) = (62.2583, 69.7419)$$