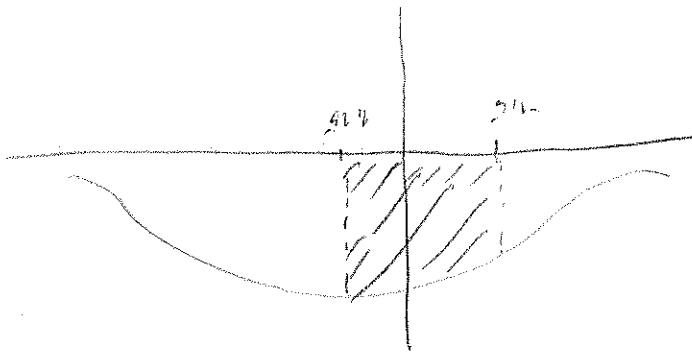


- $(\frac{1}{\sigma} \sqrt{\frac{M}{n}}) N(0,1) \sim Z$
- $(\frac{1}{\sigma} \sqrt{\frac{M}{n}}) N(0,1) \sim Z$
- $(\frac{1}{\sigma} \sqrt{\frac{M}{n}}) N(0,1) \sim Z$



$= 0.8882$

$P(-2.5 < Z < 1.25) = \Phi(1.25) - \Phi(-2.5) = 0.4452 + 0.9938 = 0.8882$

$P(\frac{100-200}{\sqrt{200}} < Z < \frac{100-200}{\sqrt{200}})$

$\bar{X} \sim N(200, 4)$

$\bar{X} \sim N(200, \frac{4}{25})$

find $P(180 < \bar{X} < 205)$

varianza $\sigma^2 = 4$, $\bar{X} \sim N(200, 4)$, $\bar{X} \sim N(200, \frac{4}{25})$, $\bar{X} \sim N(200, \frac{4}{25})$, $\bar{X} \sim N(200, \frac{4}{25})$